

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

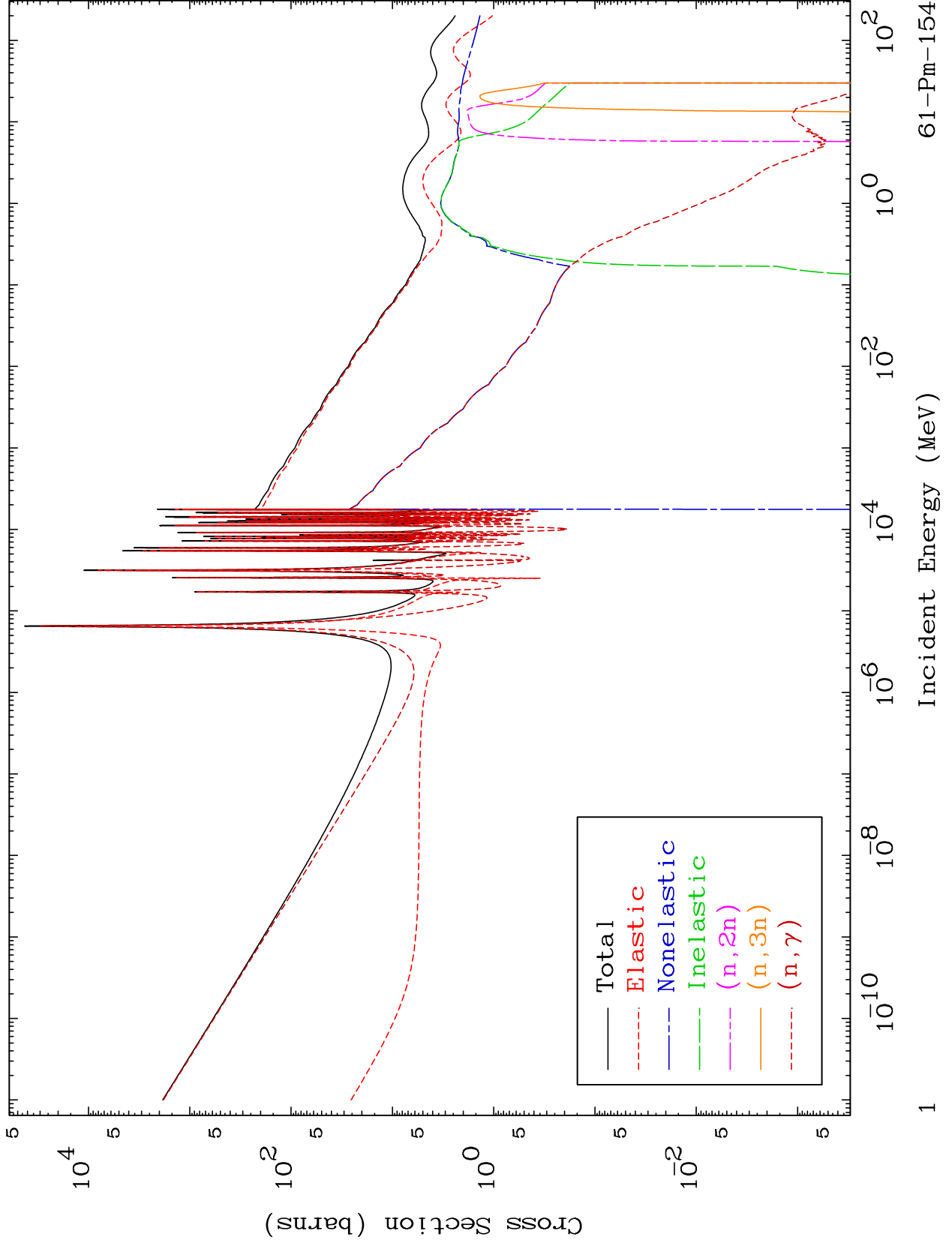
Web:redcullen1.net/HOMEPAGE.NEW

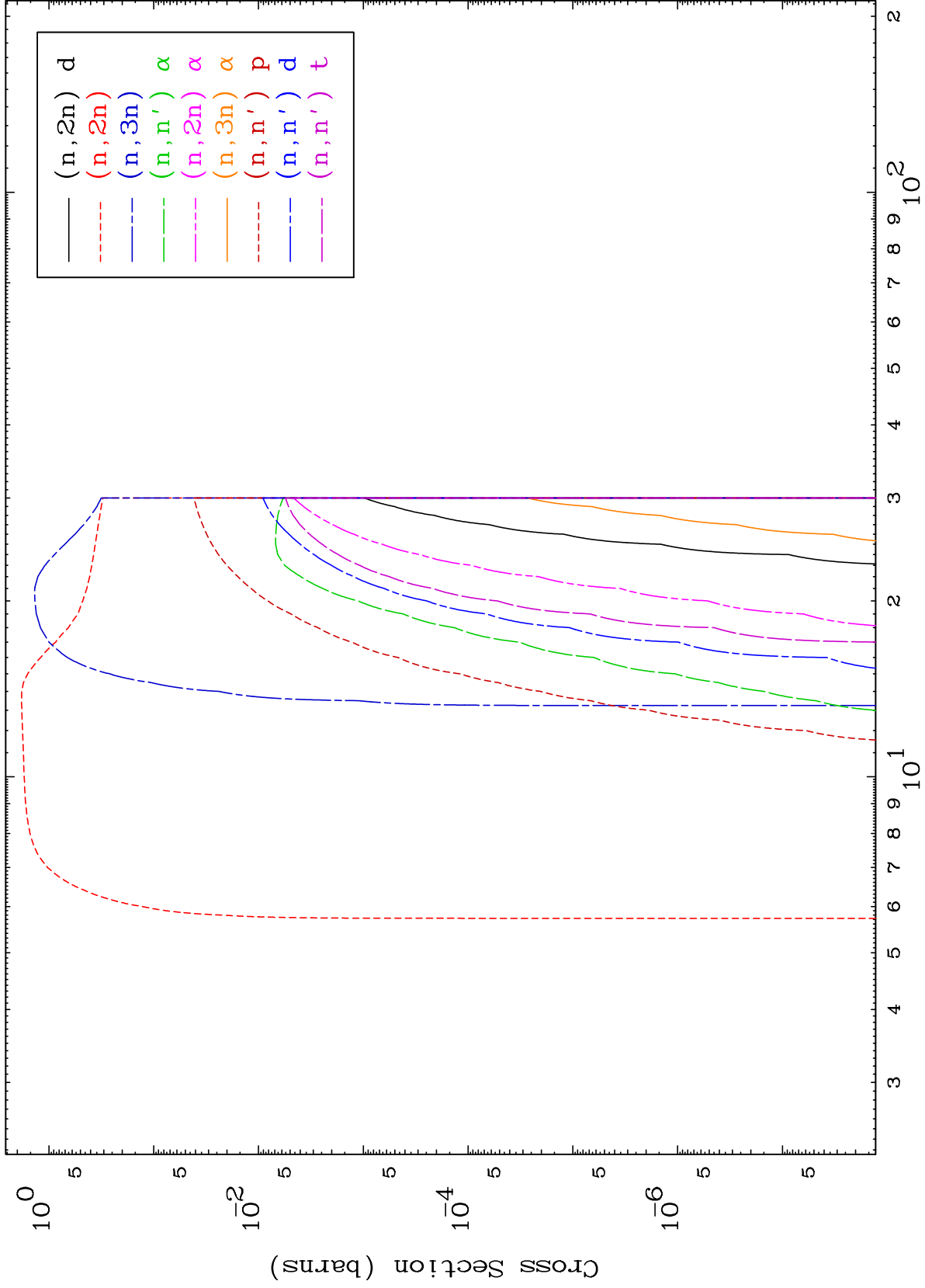
Press Mouse Button to Start

MAT 6170

Neutron Major
293 Kelvin Cross Sections

61-Pm-154

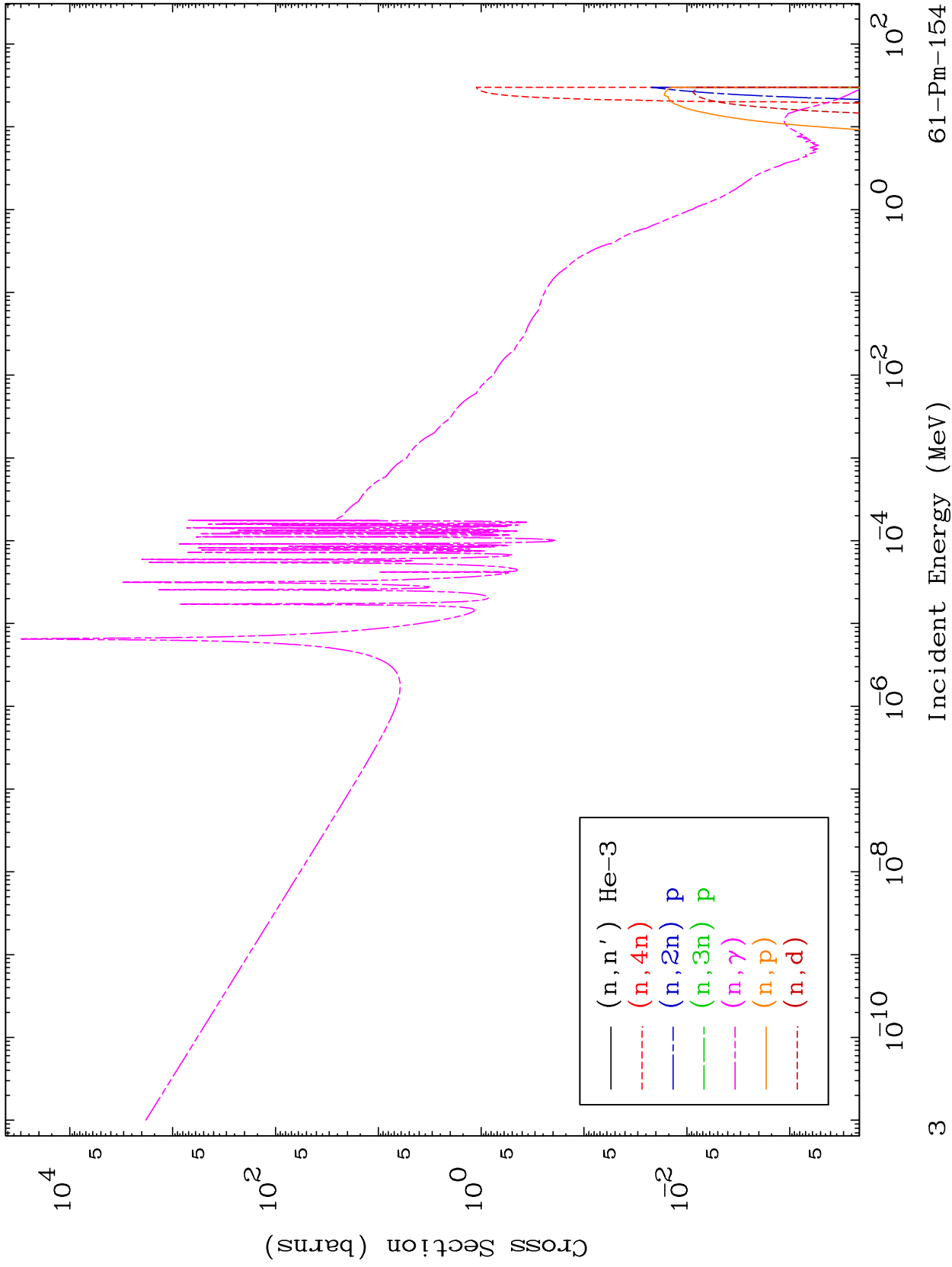




MAT 6170

Neutron Absorption
293 Kelvin Cross Sections

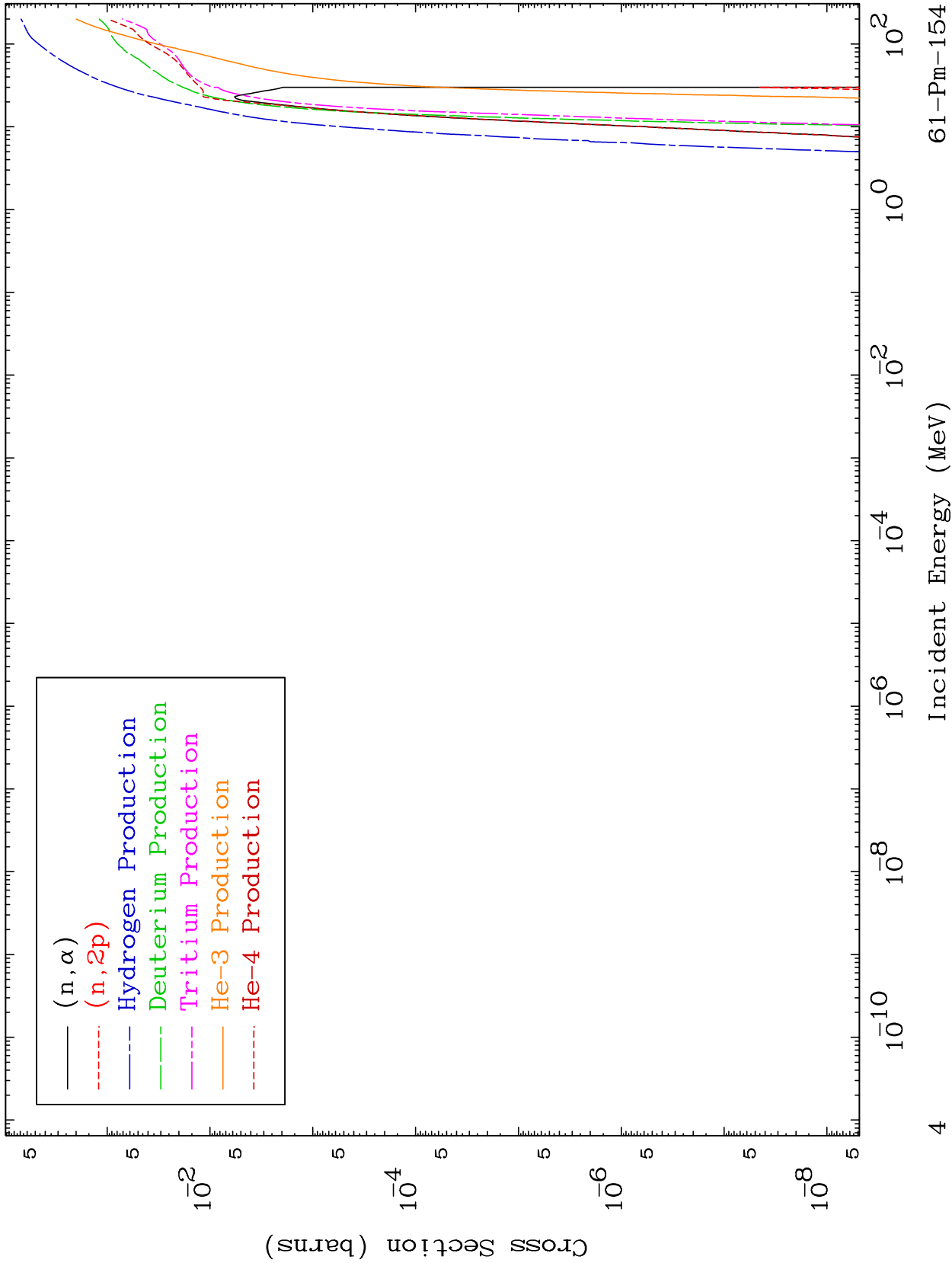
61-Pm-154

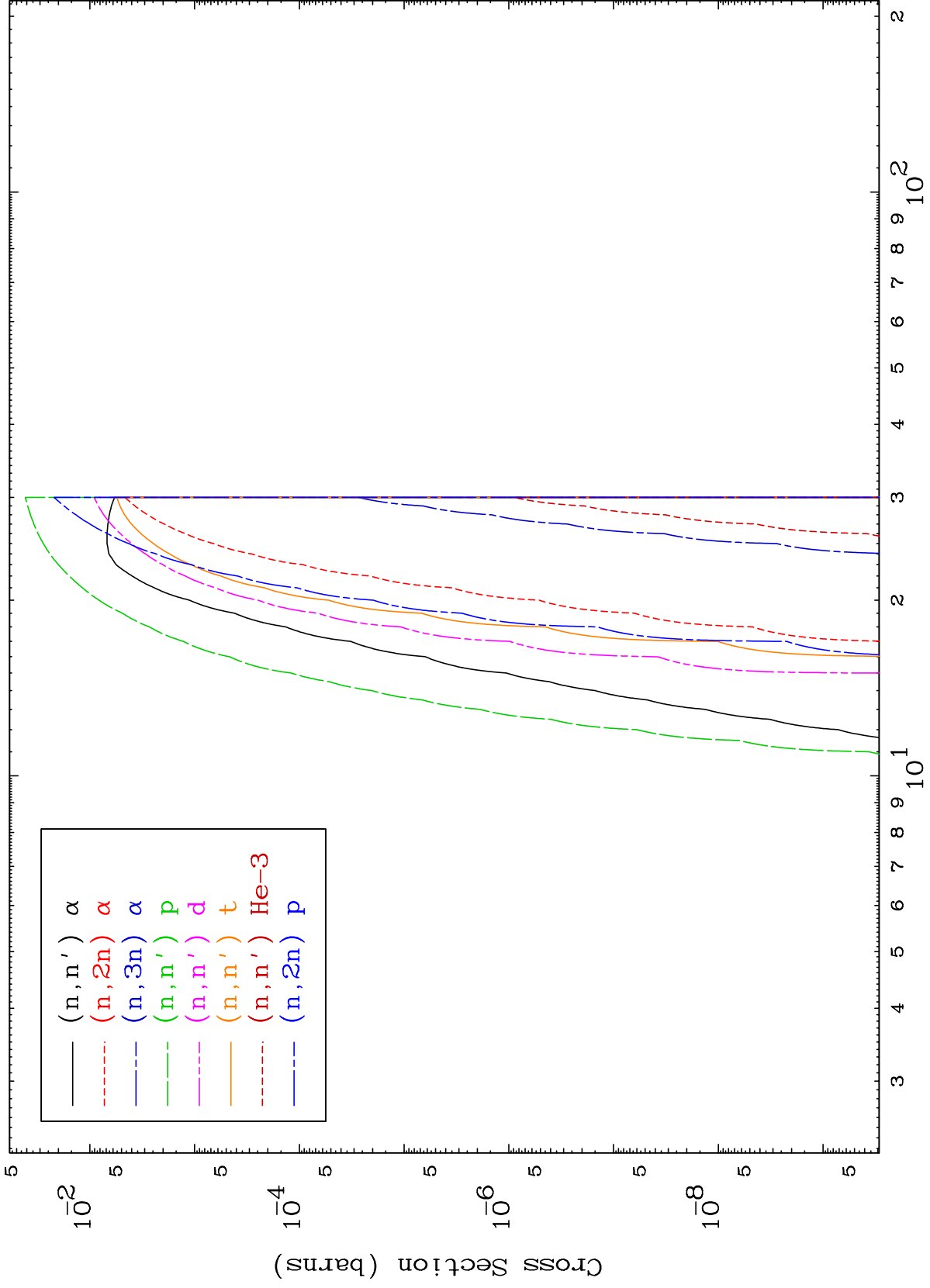


MAT 6170

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-154

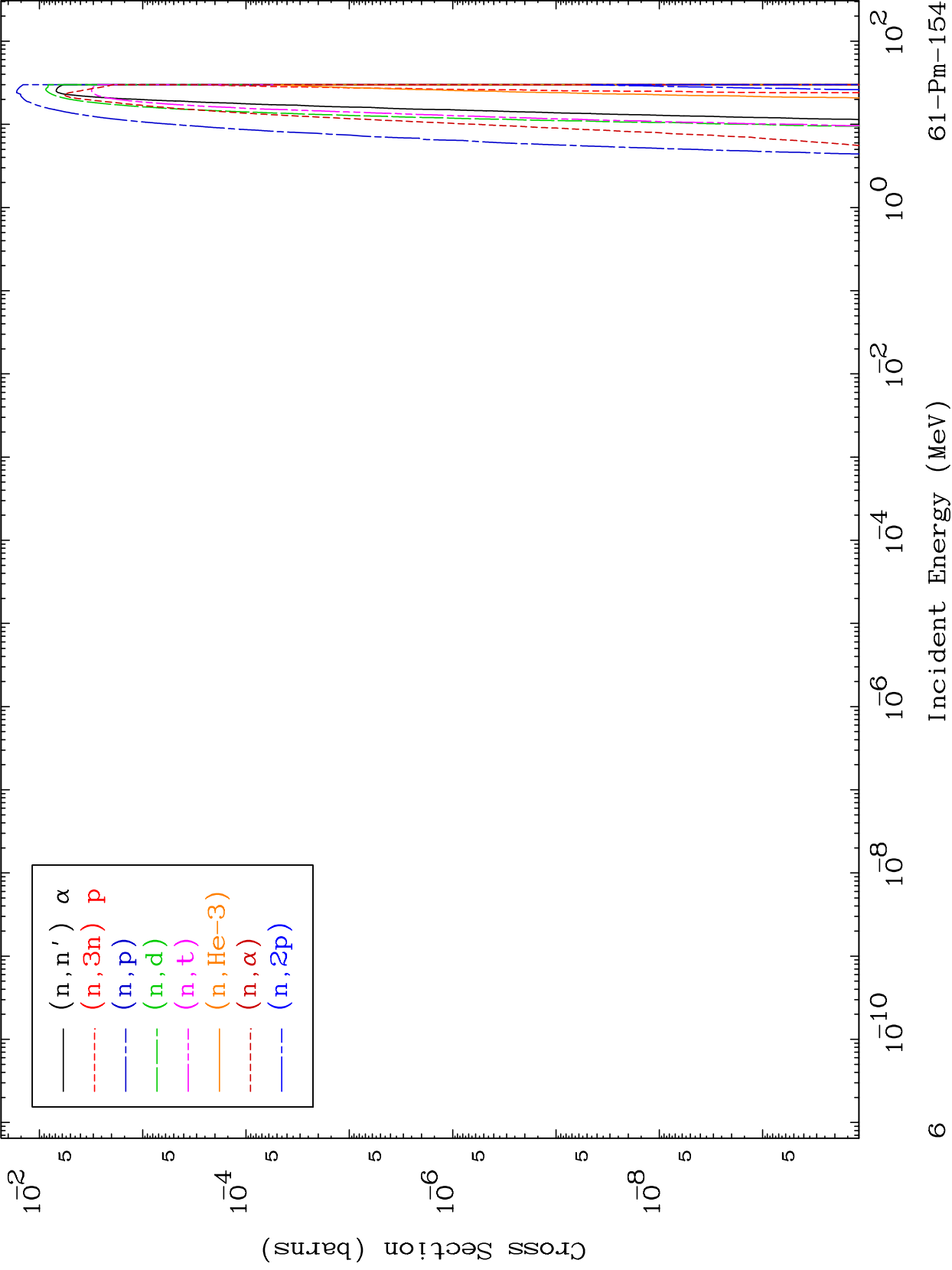


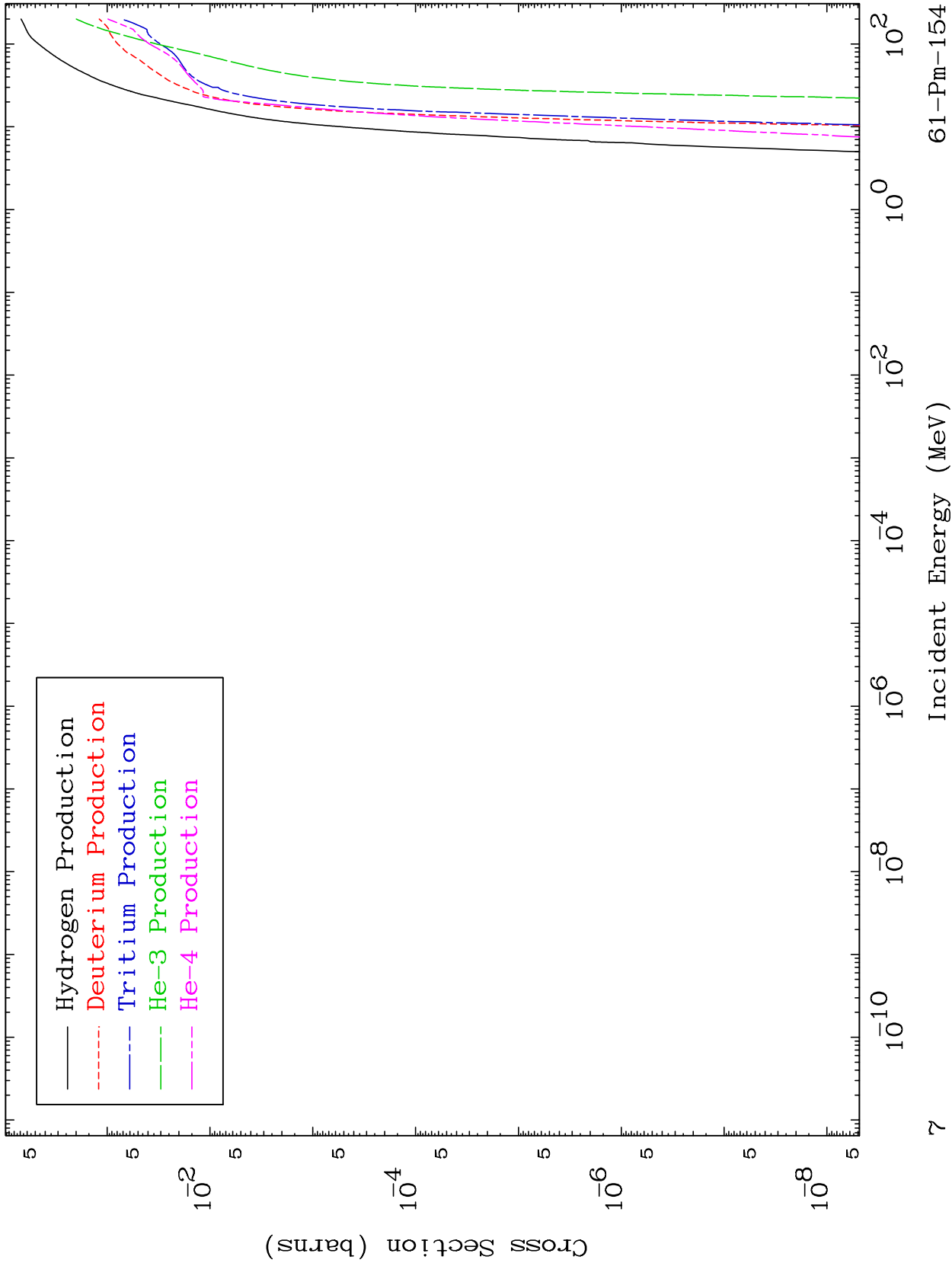


MAT 6170

Charged Particle
293 Kelvin Cross Sections

61-Pm-154



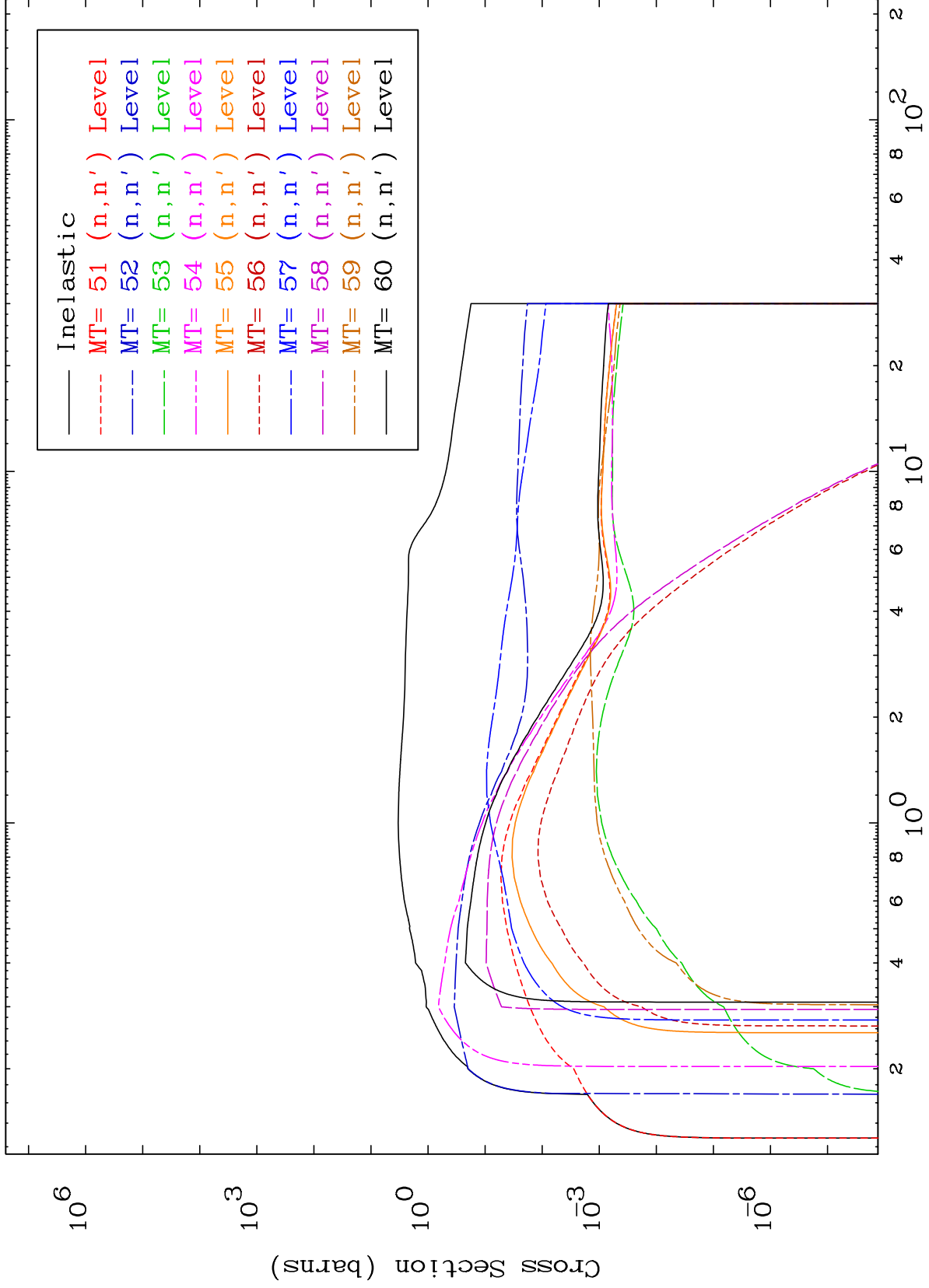


MAT 6170

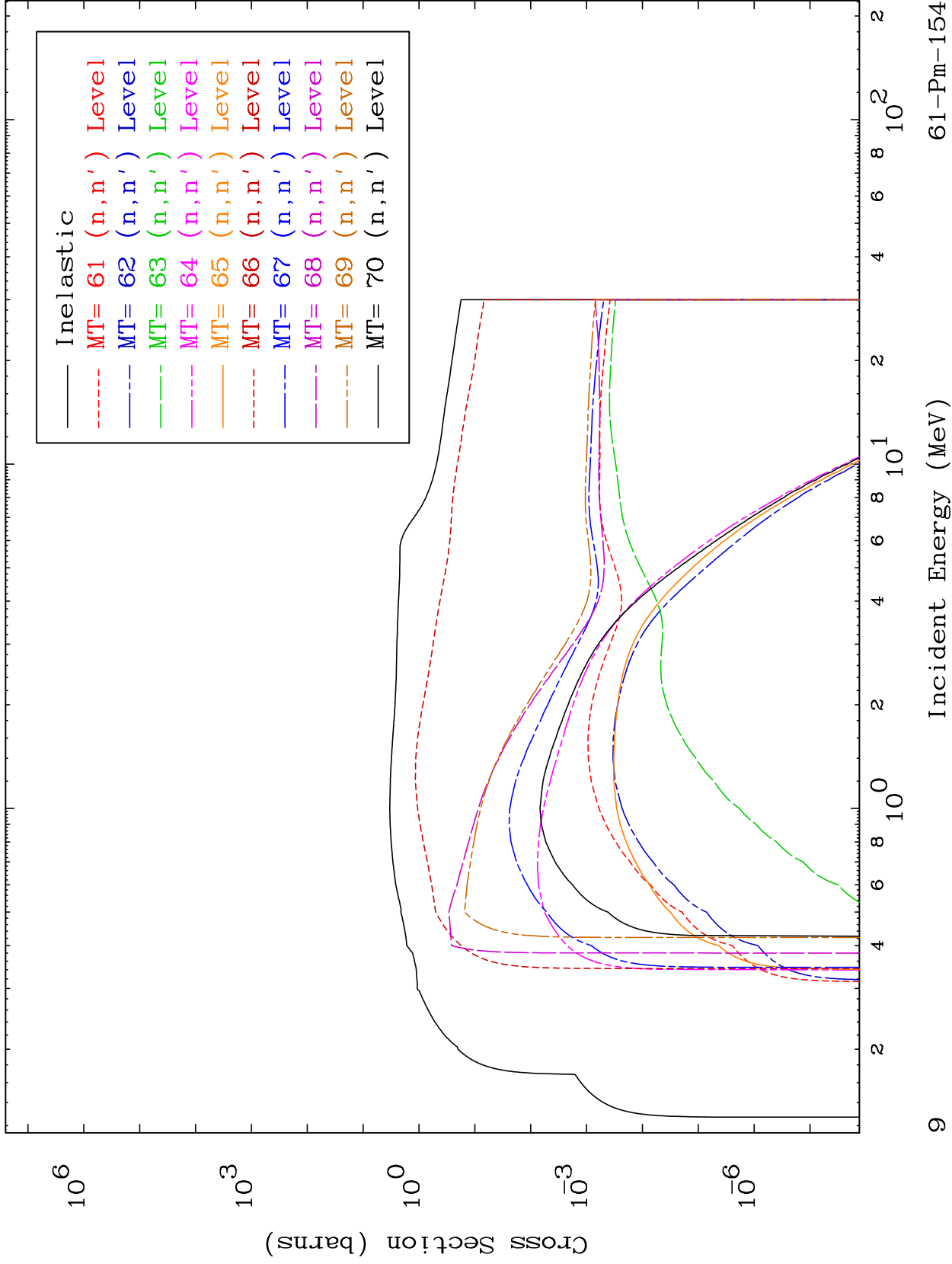
(n,n') Levels

61-Pm-154

293 Kelvin Cross Sections



293 Kelvin Cross Sections

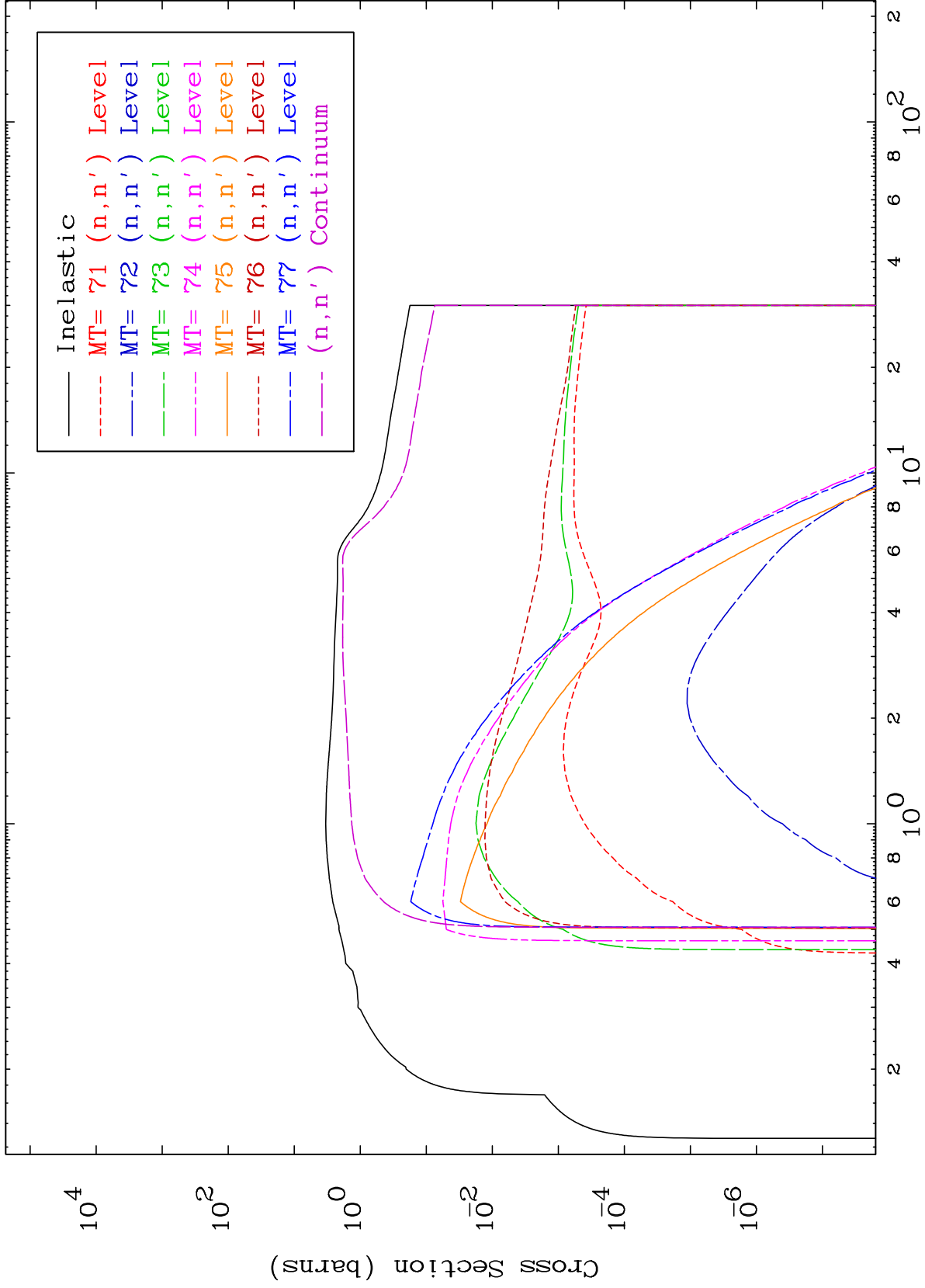


MAT 6170

(n,n') Levels

293 Kelvin Cross Sections

61-Pm-154



10

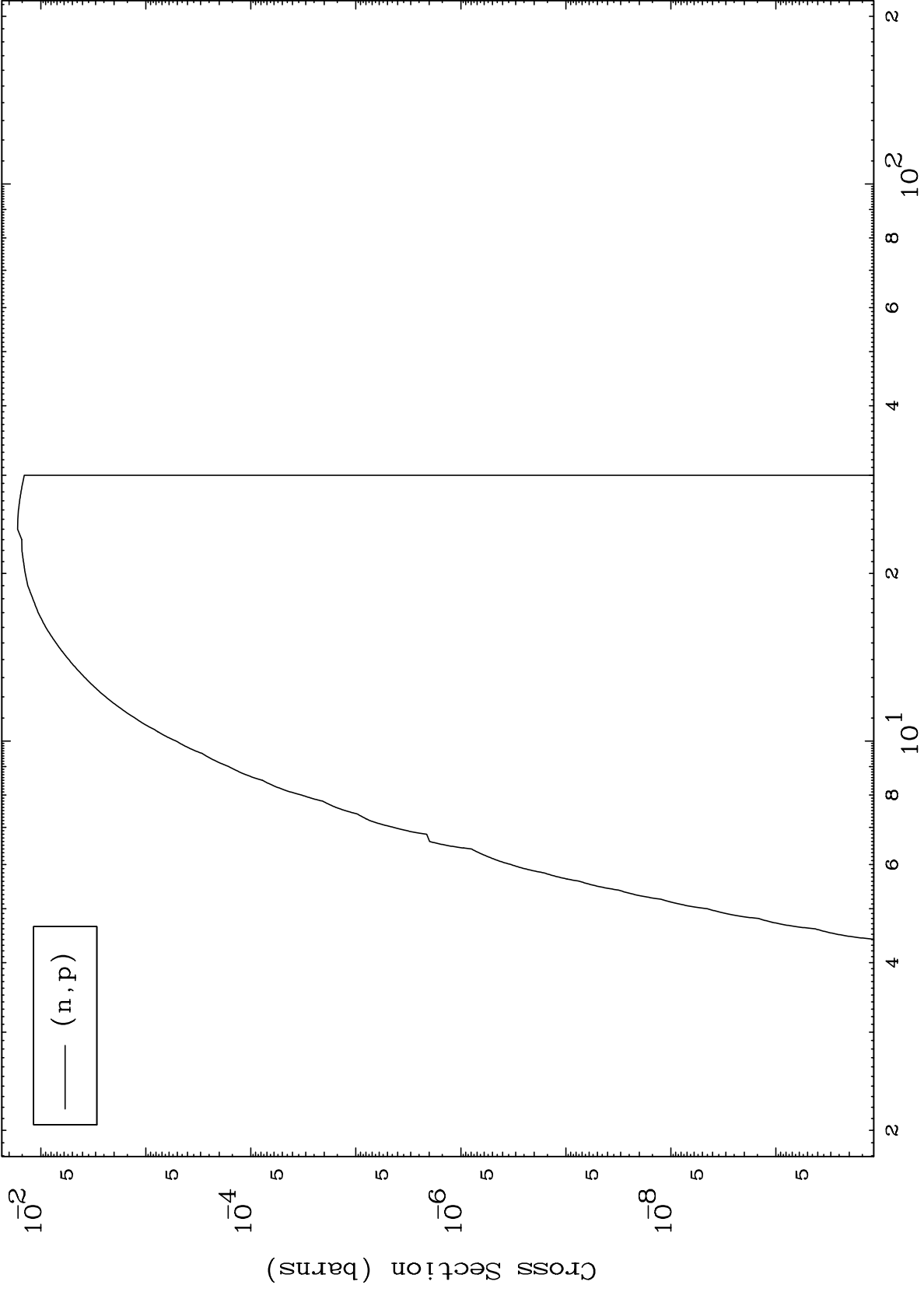
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-154



11

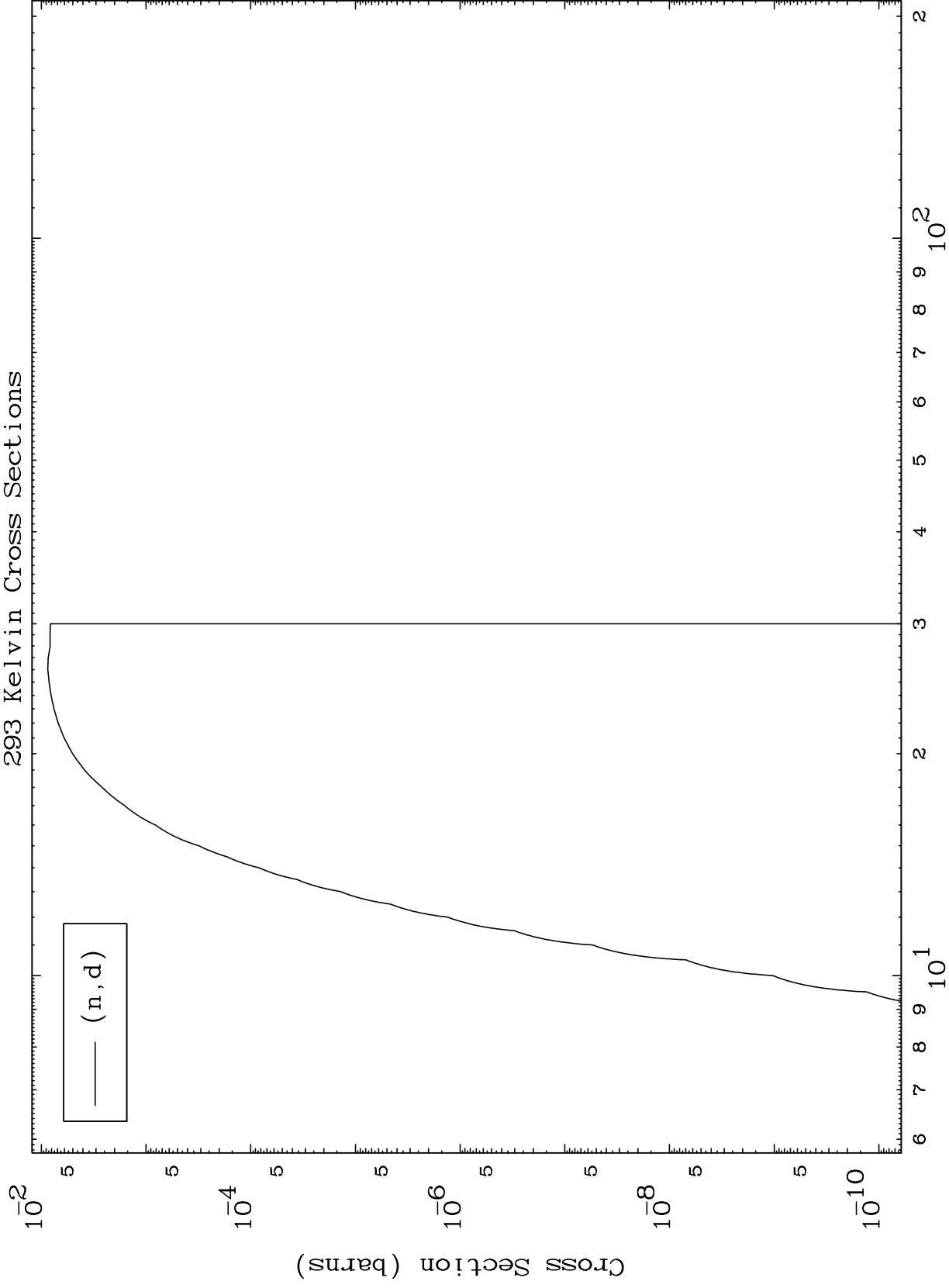
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-154



12

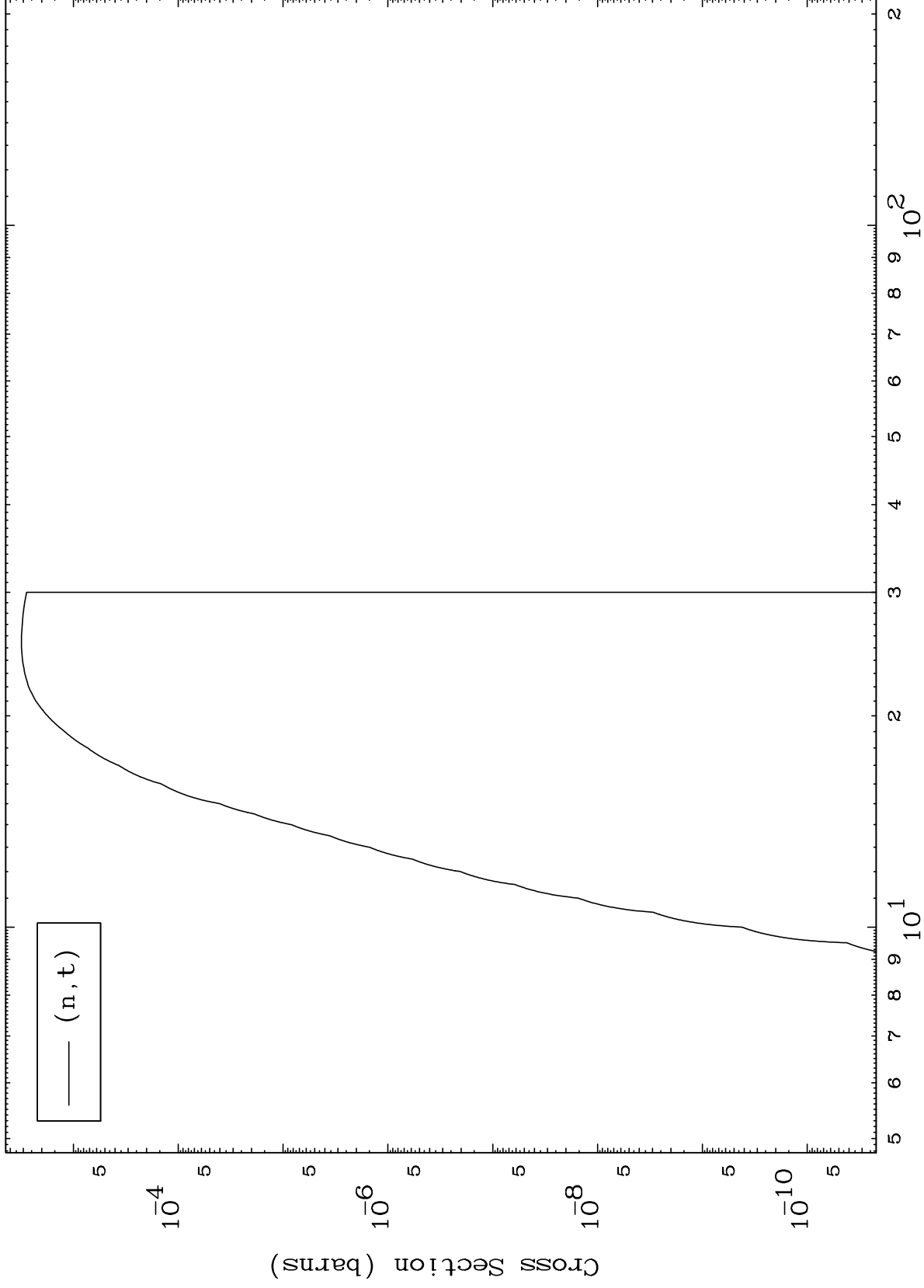
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-154



13

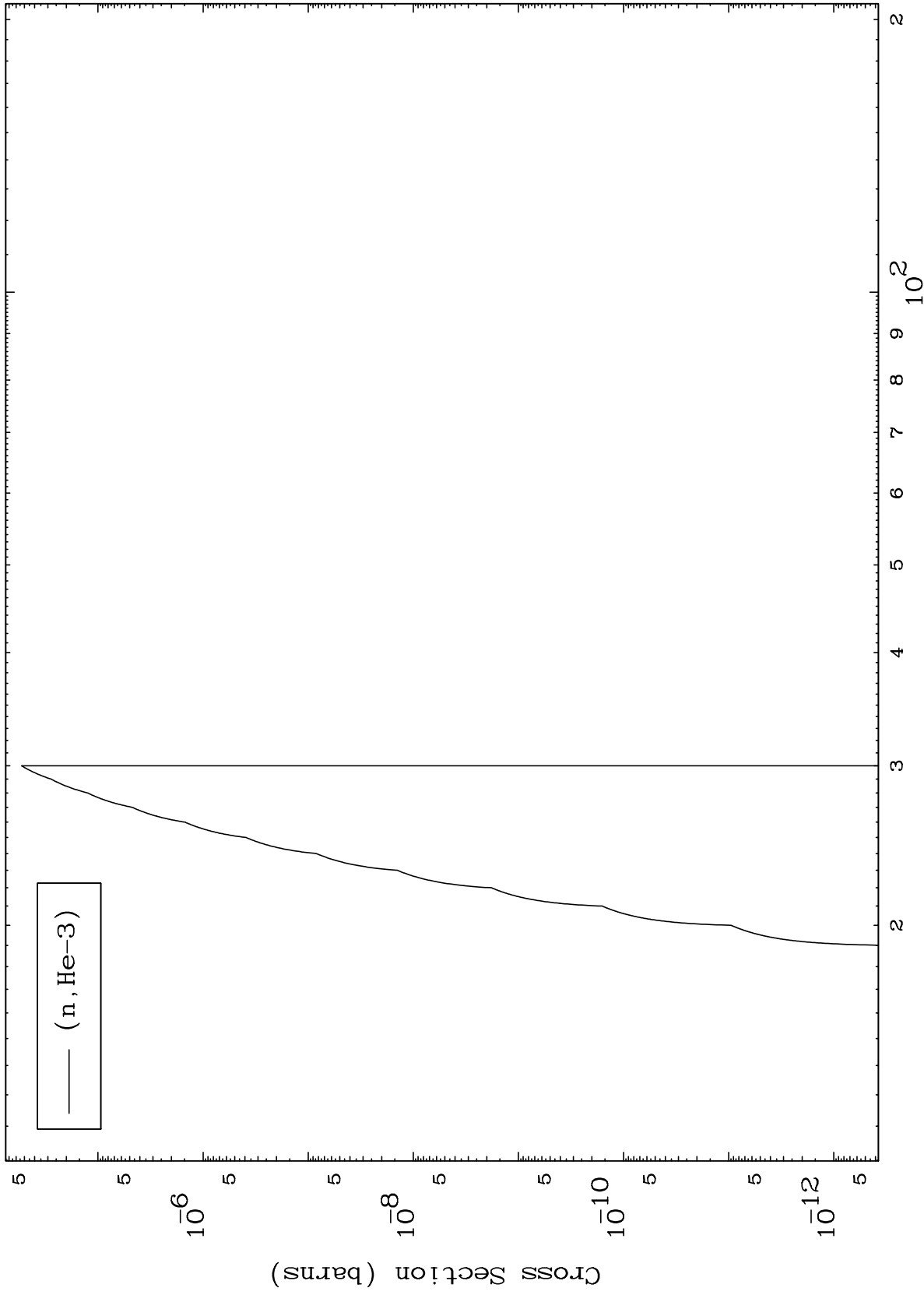
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-154



14

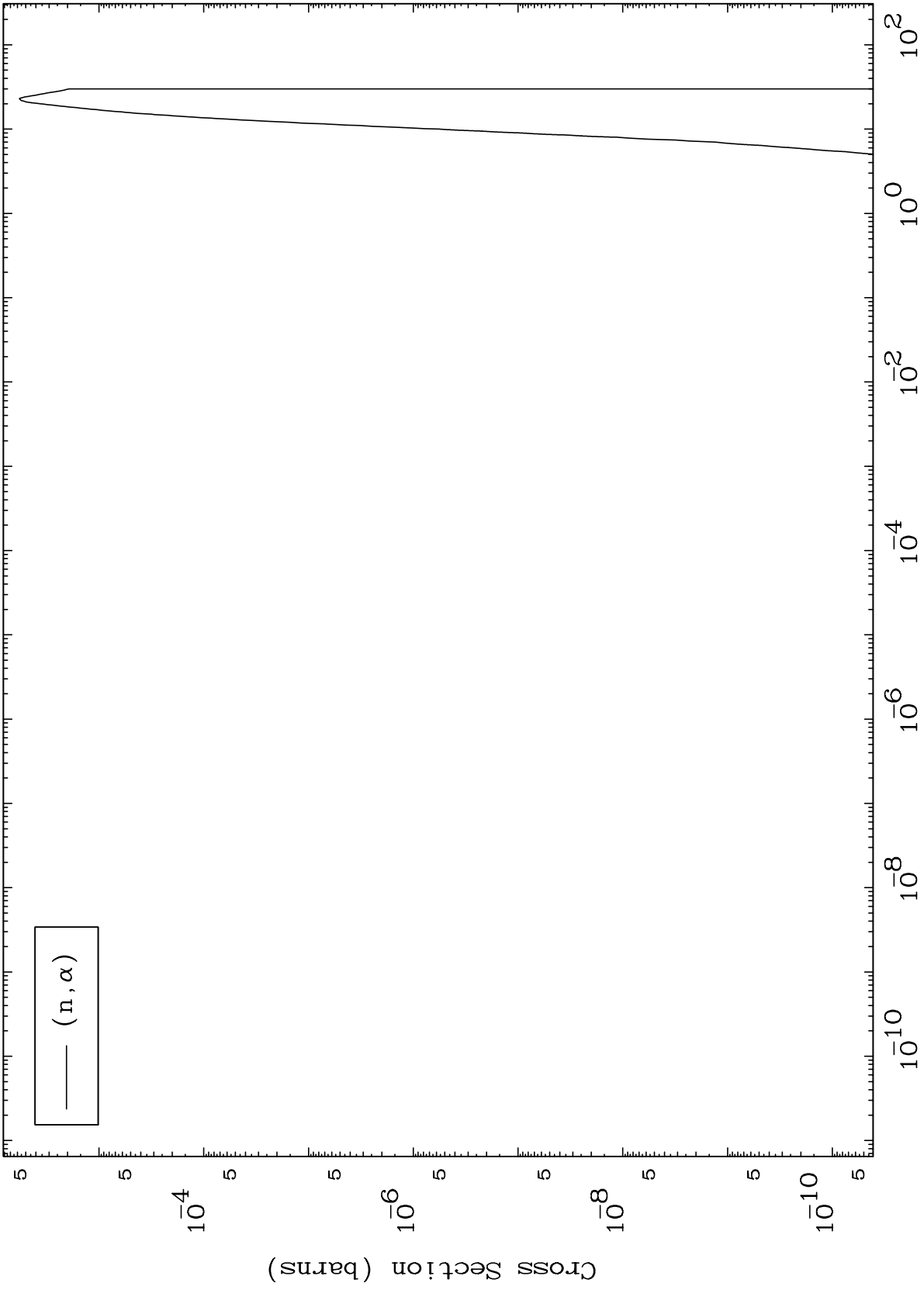
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n, α) Levels
293 Kelvin Cross Sections

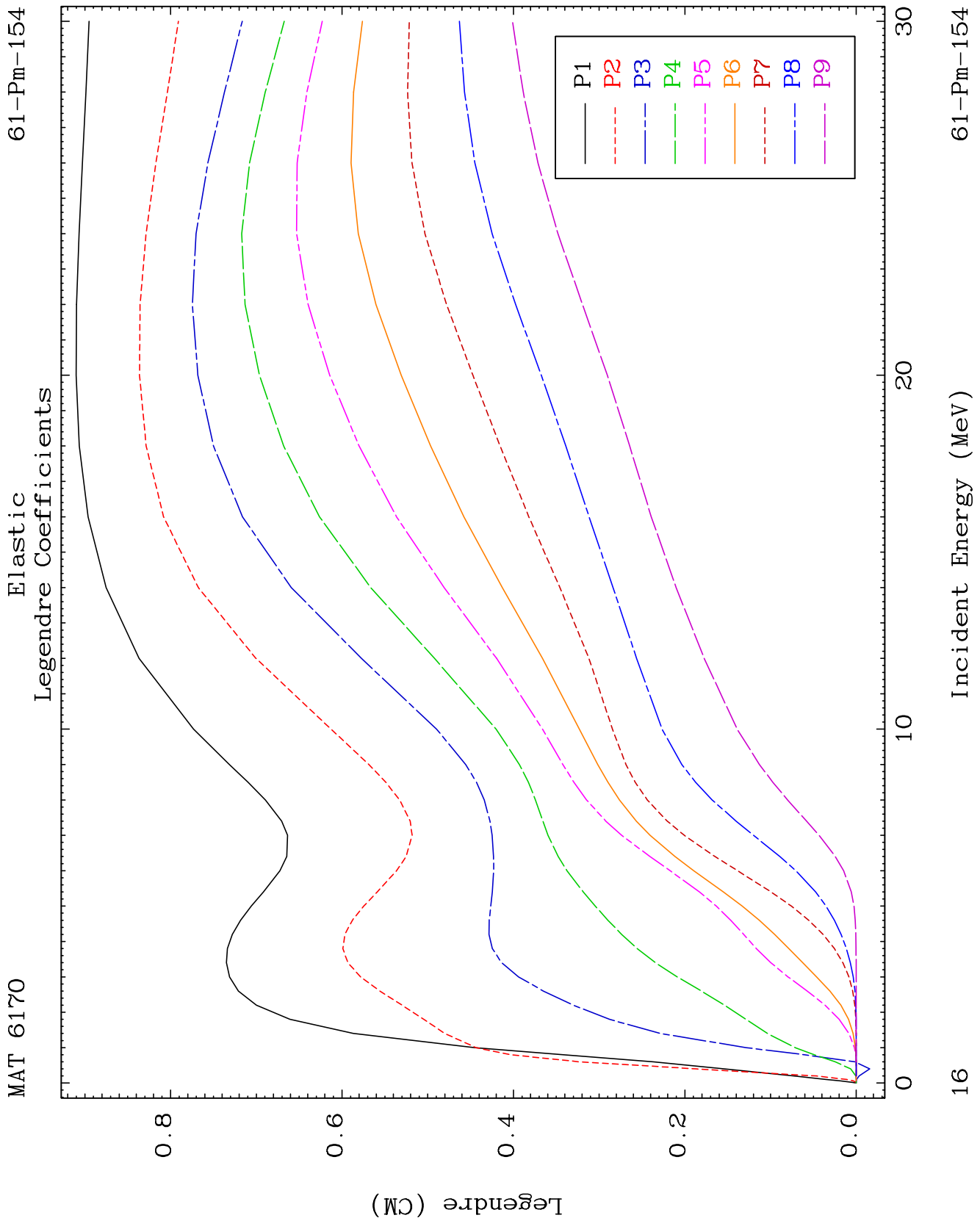
61-Pm-154

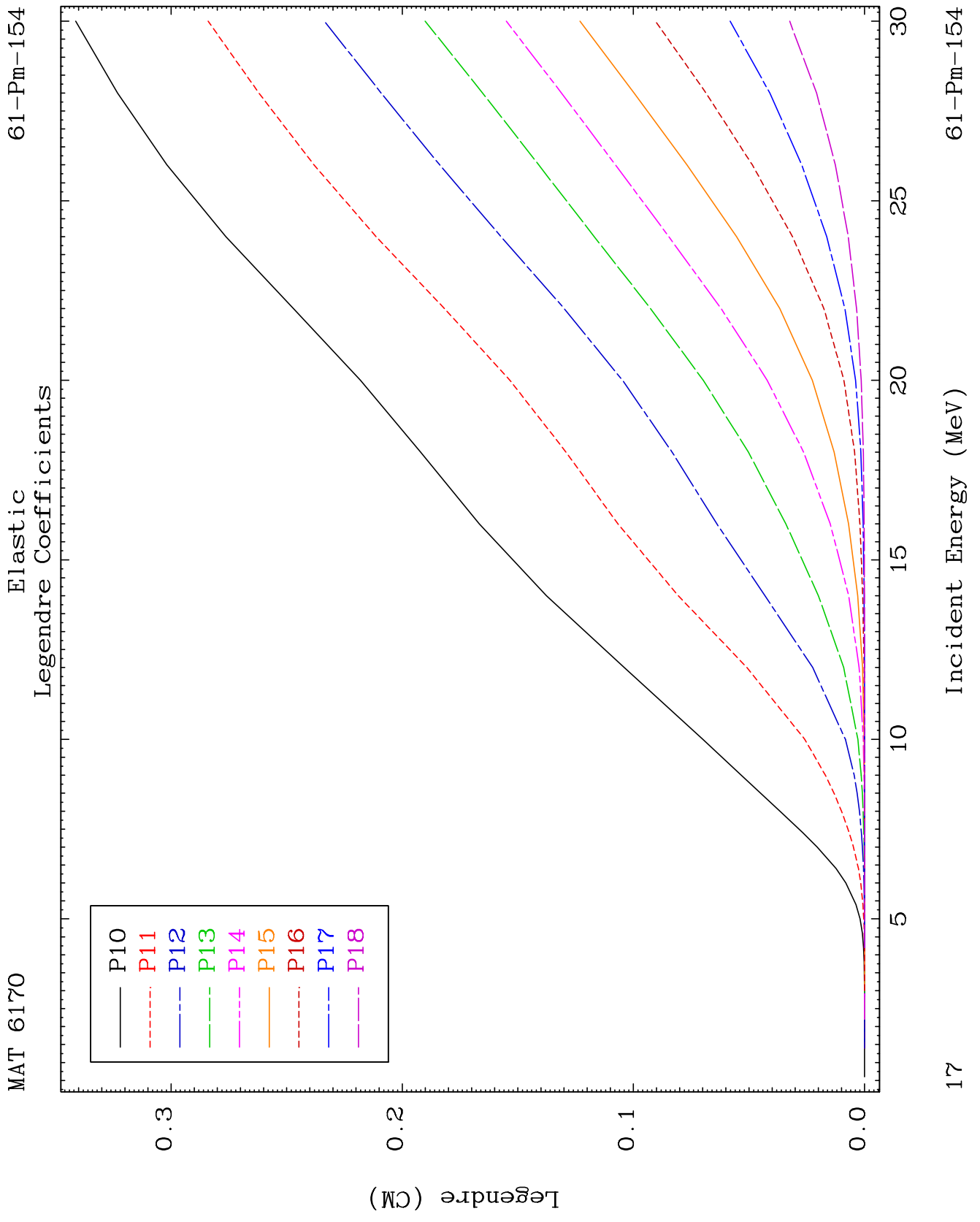


15

Incident Energy (MeV)

61-Pm-154

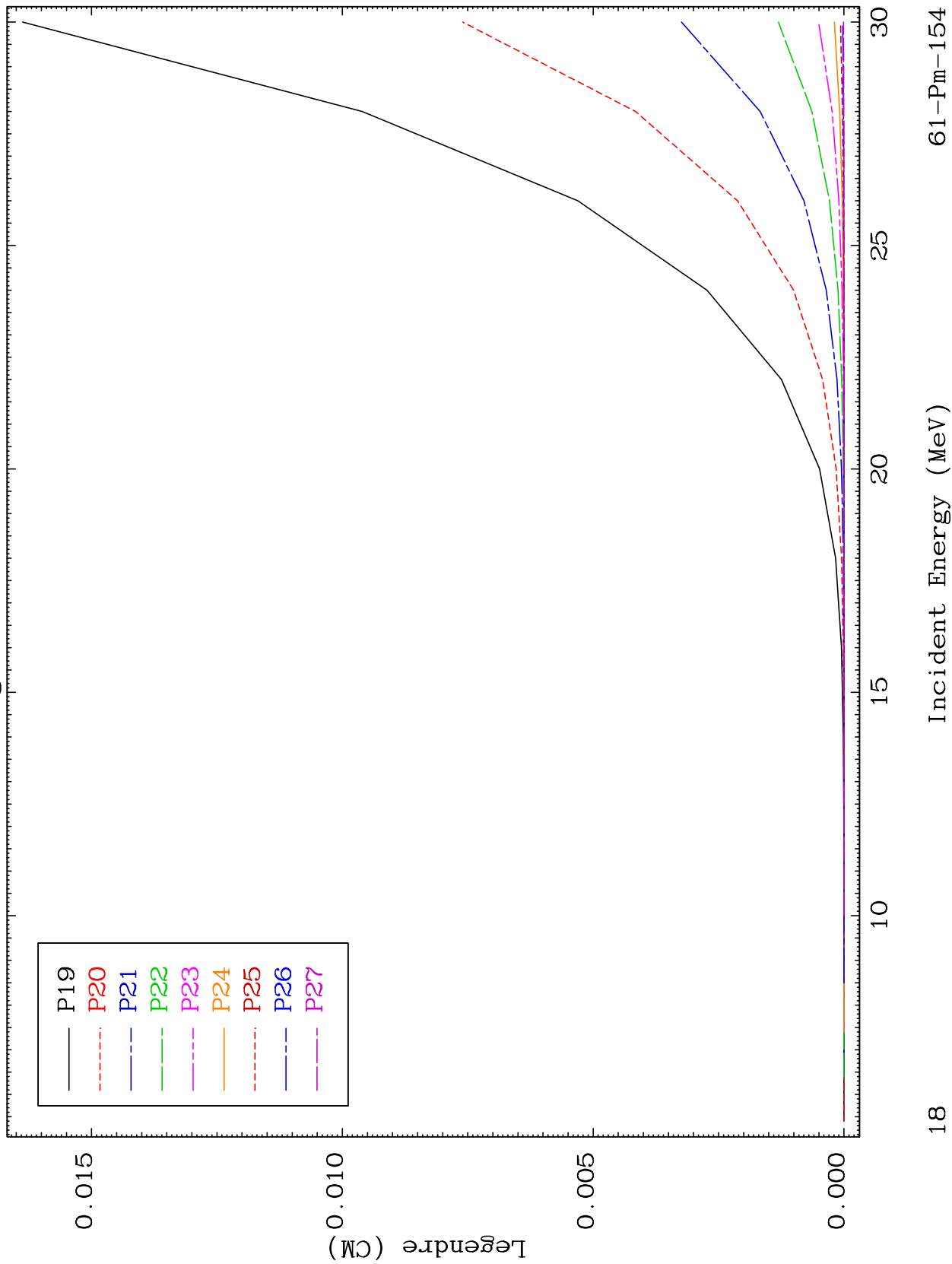




MAT 6170

Elastic Legendre Coefficients

61-Pm-154



18

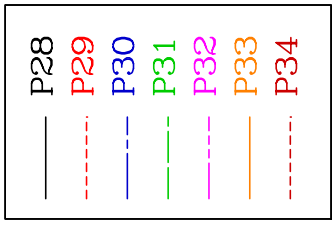
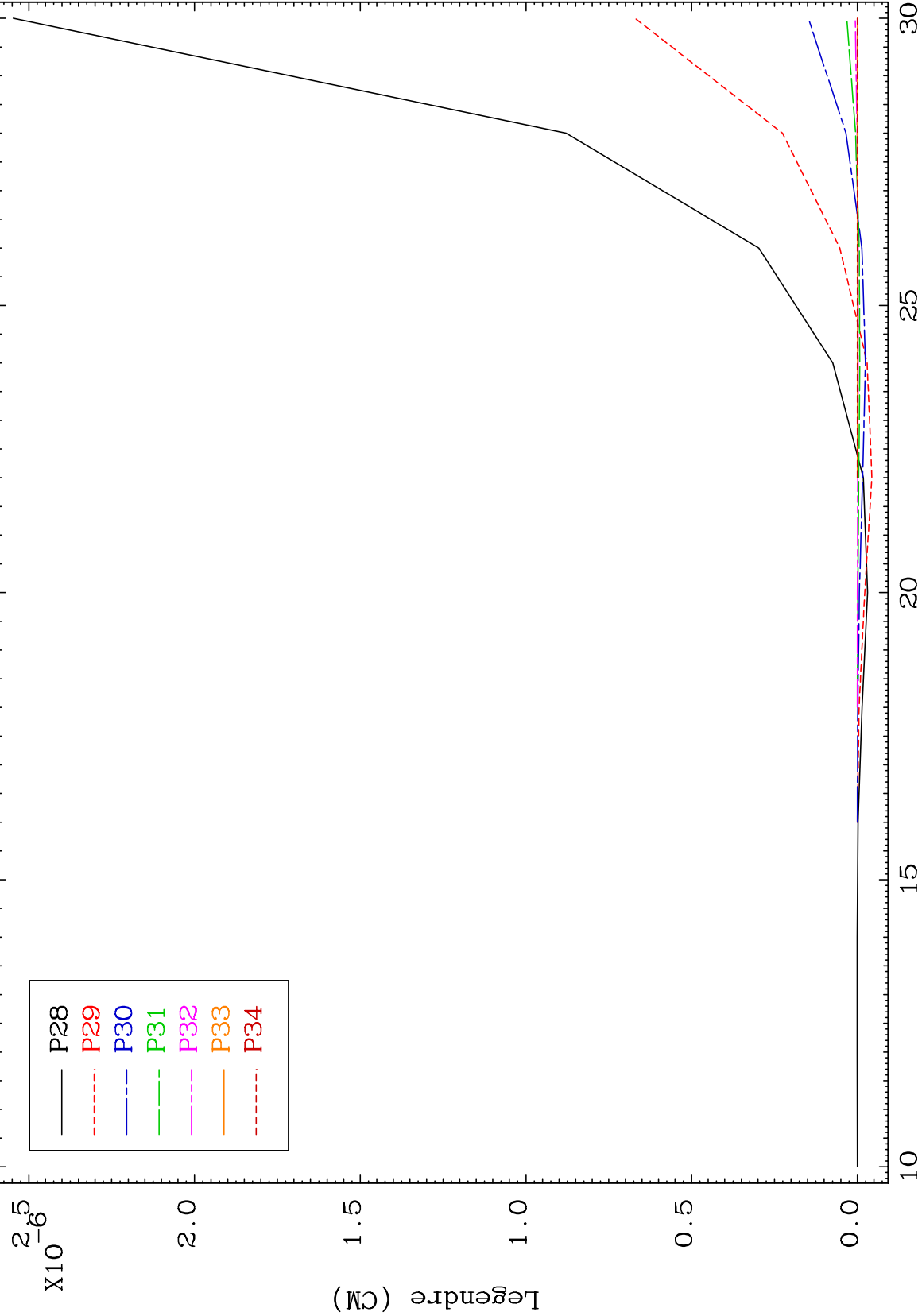
Incident Energy (MeV)

61-Pm-154

MAT 6170

Elastic
Legendre Coefficients

61-Pm-154



19

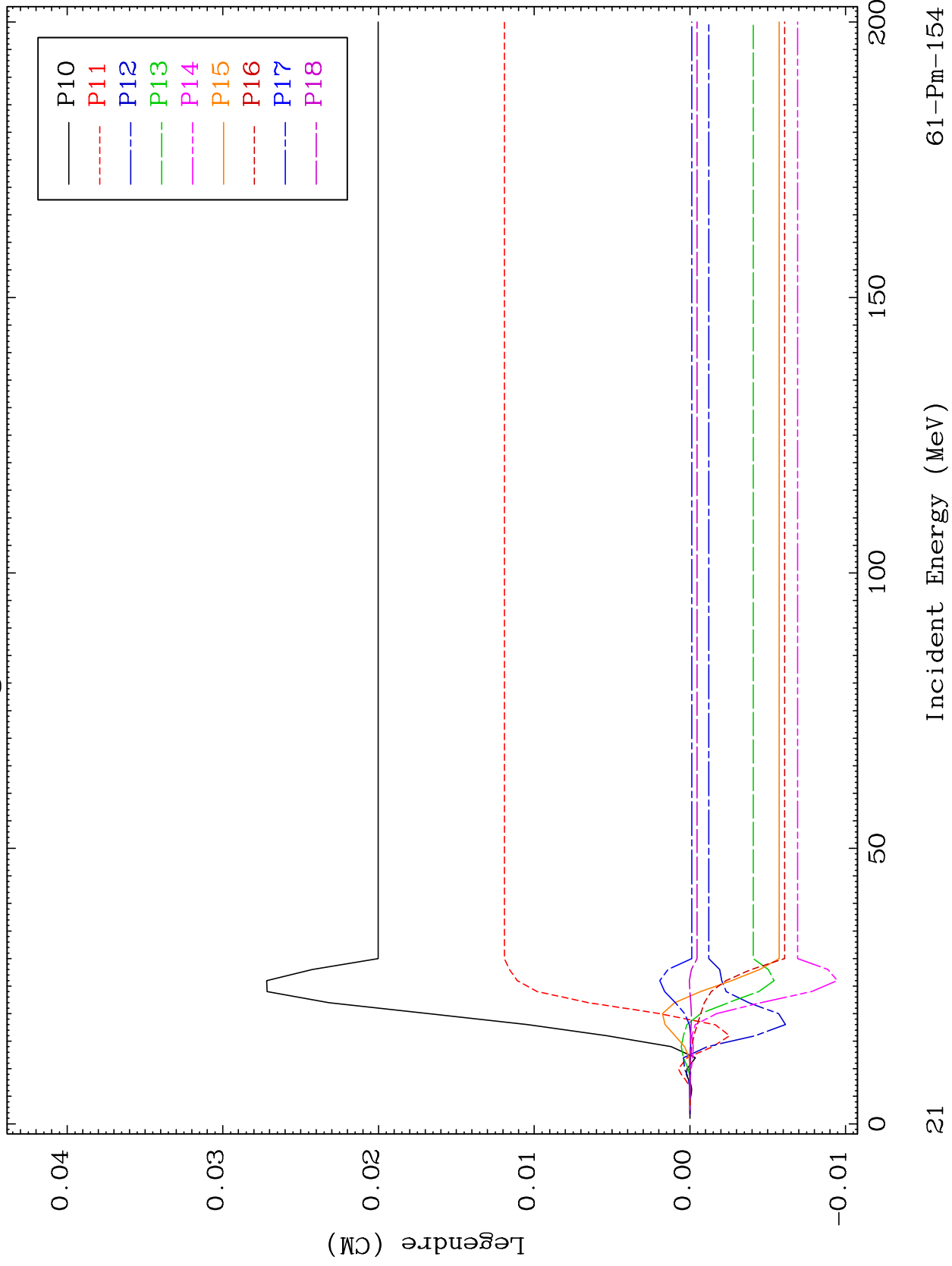
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-154



21

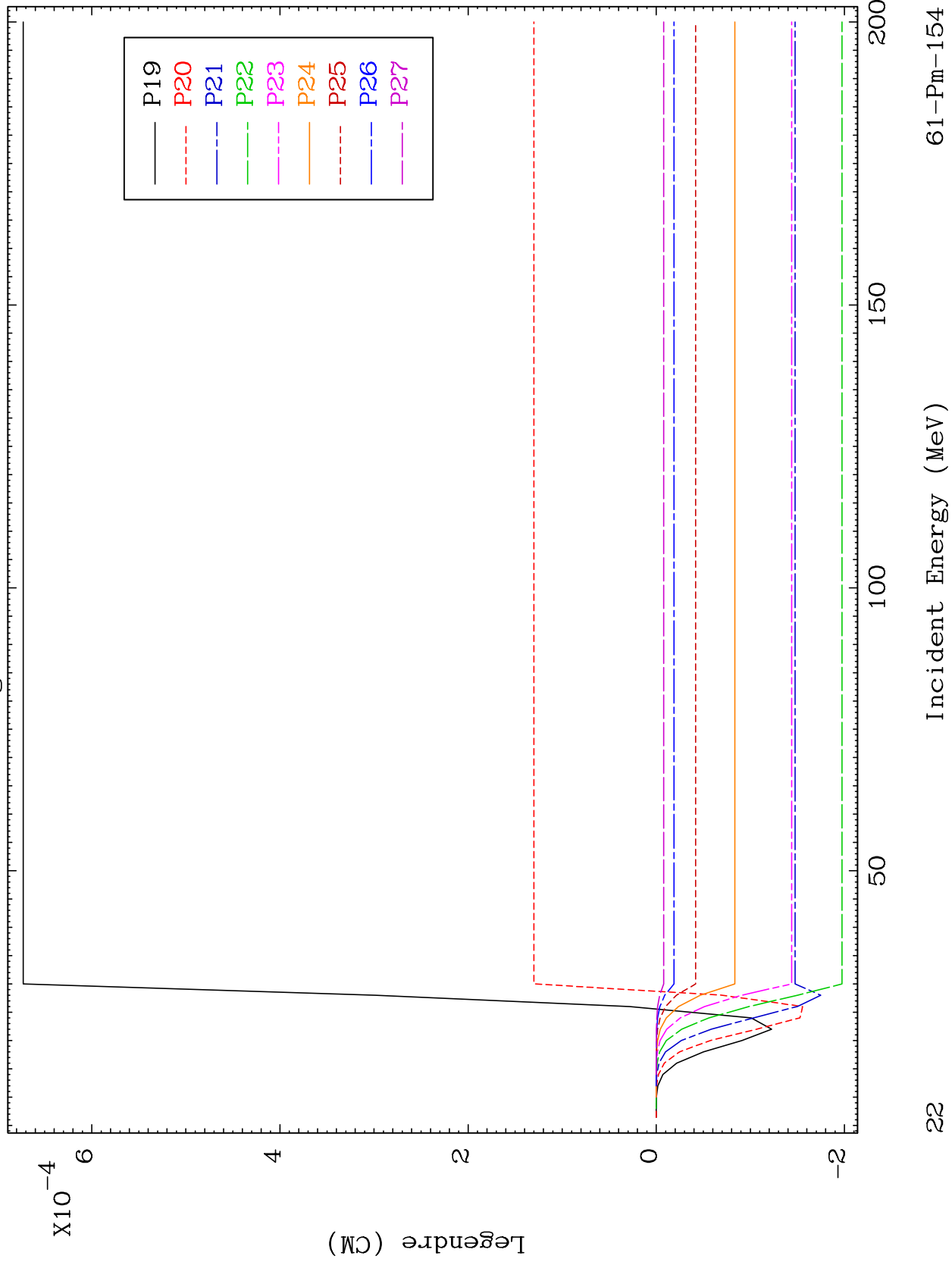
Incident Energy (MeV)

61-Pm-154

MAT 6170

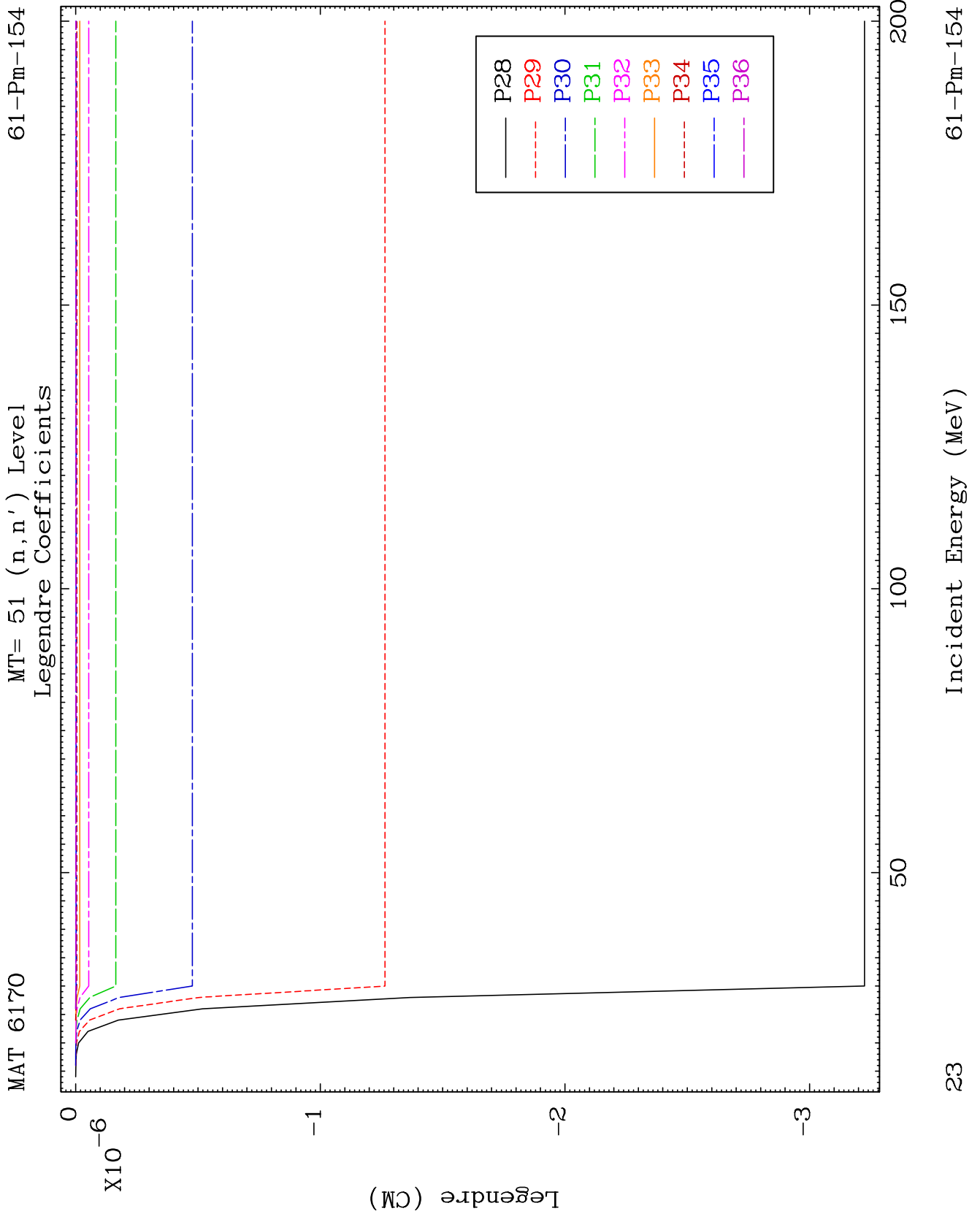
MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-154



22

61-Pm-154

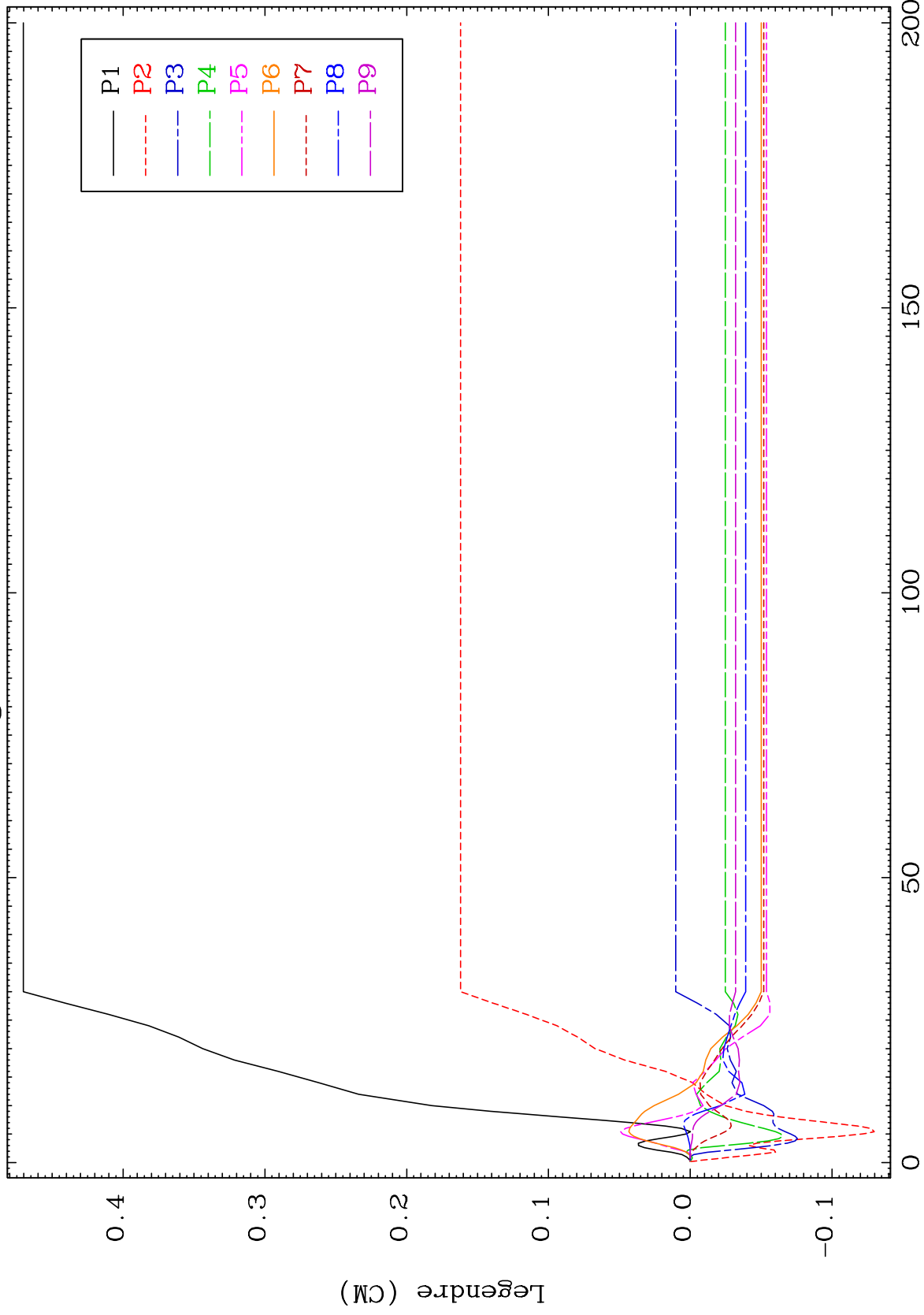


MAT 6170

MT= 52 (n,n') Level

61-Pm-154

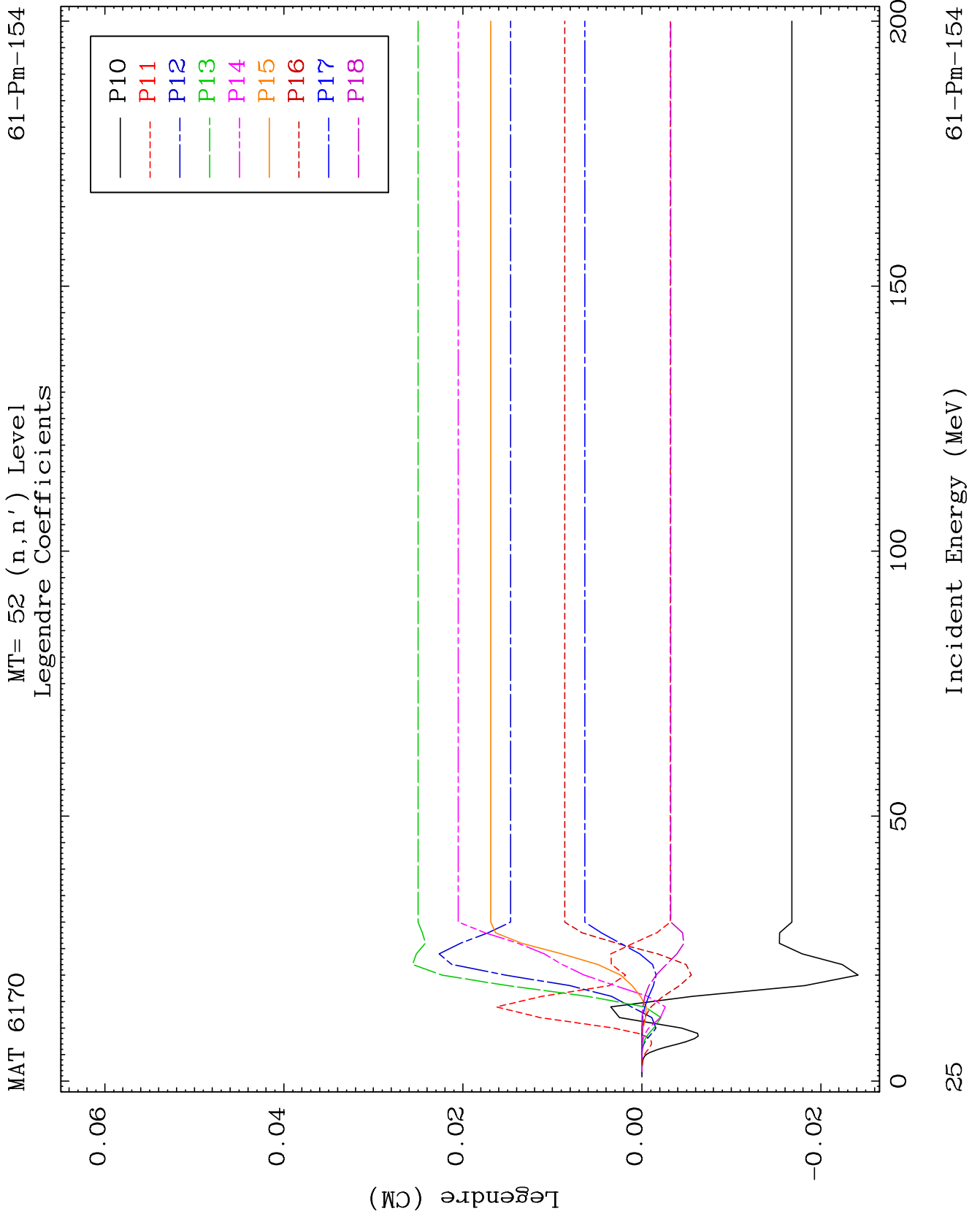
Legendre Coefficients



24

Incident Energy (MeV)

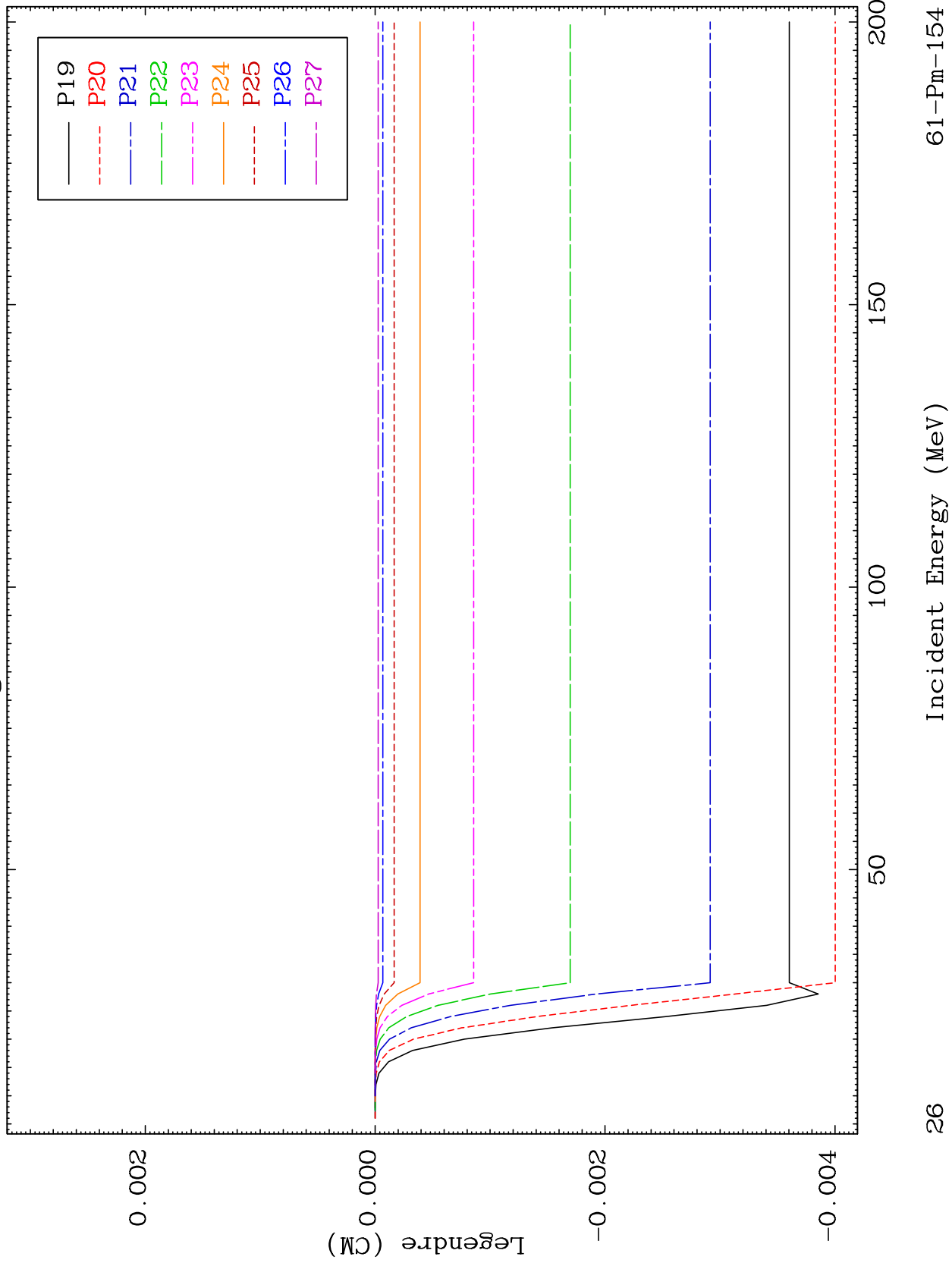
61-Pm-154



MAT 6170

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-154



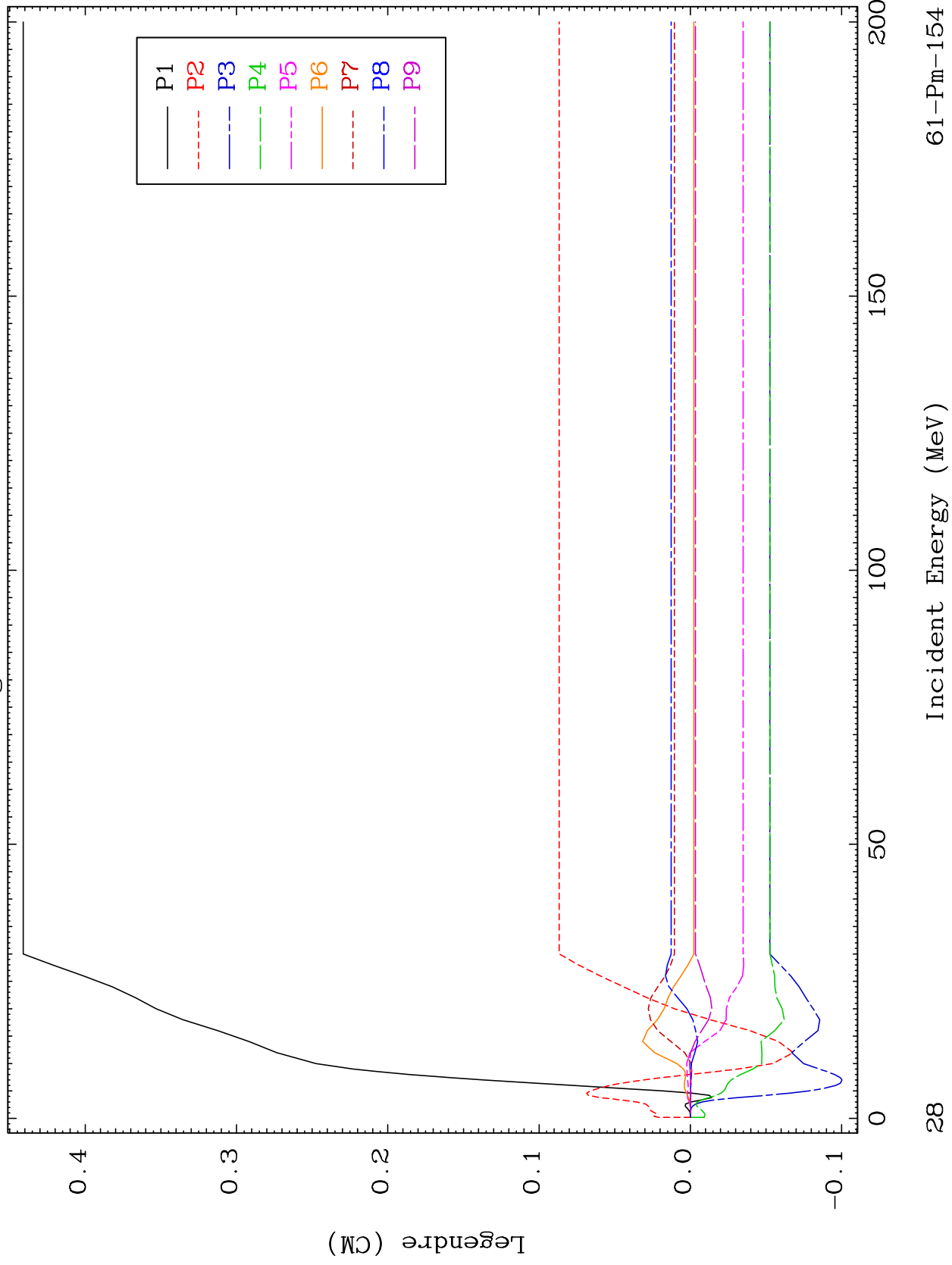
26

61-Pm-154

MAT 6170

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

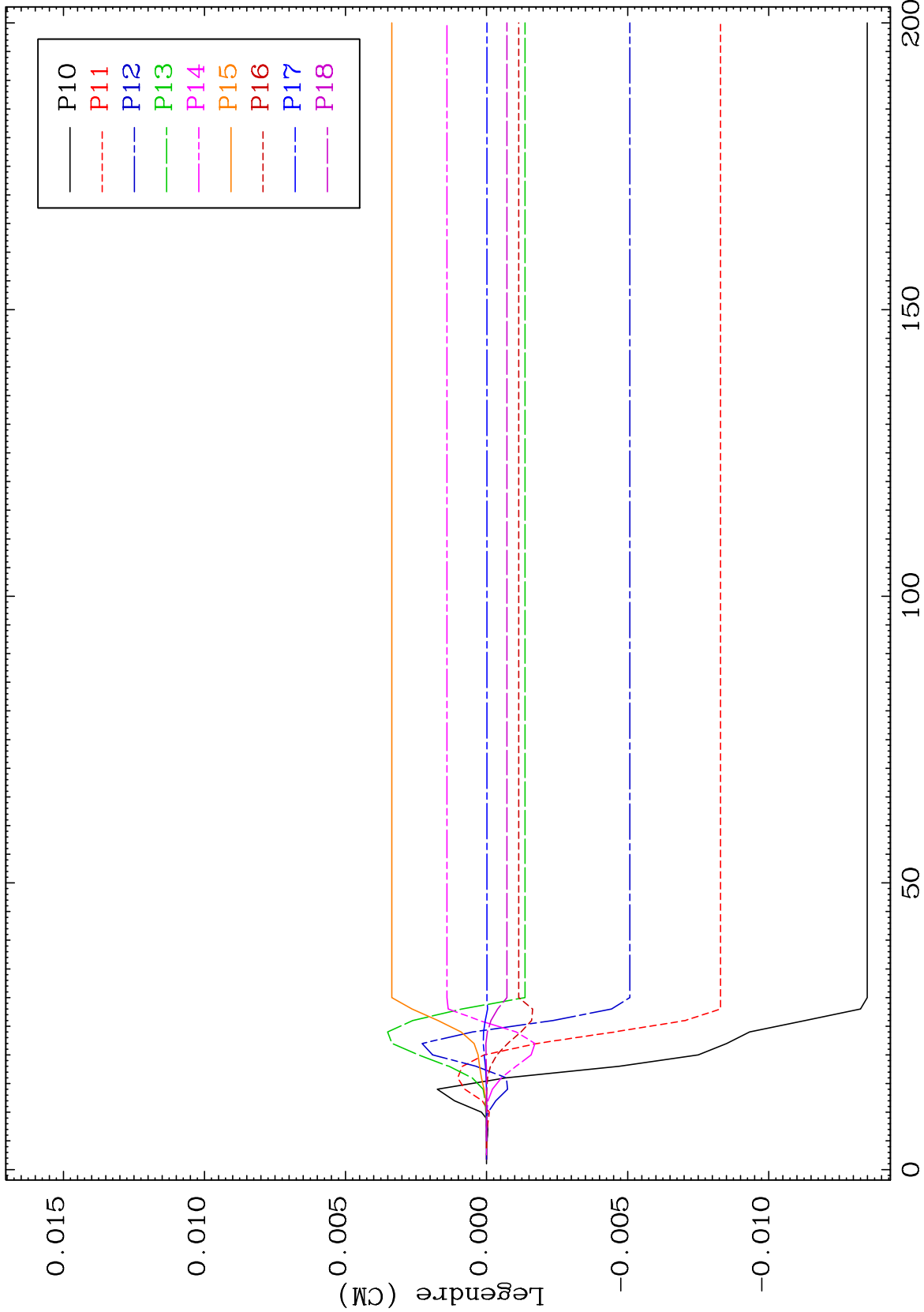
Incident Energy (MeV)

28

MAT 6170

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-154



29

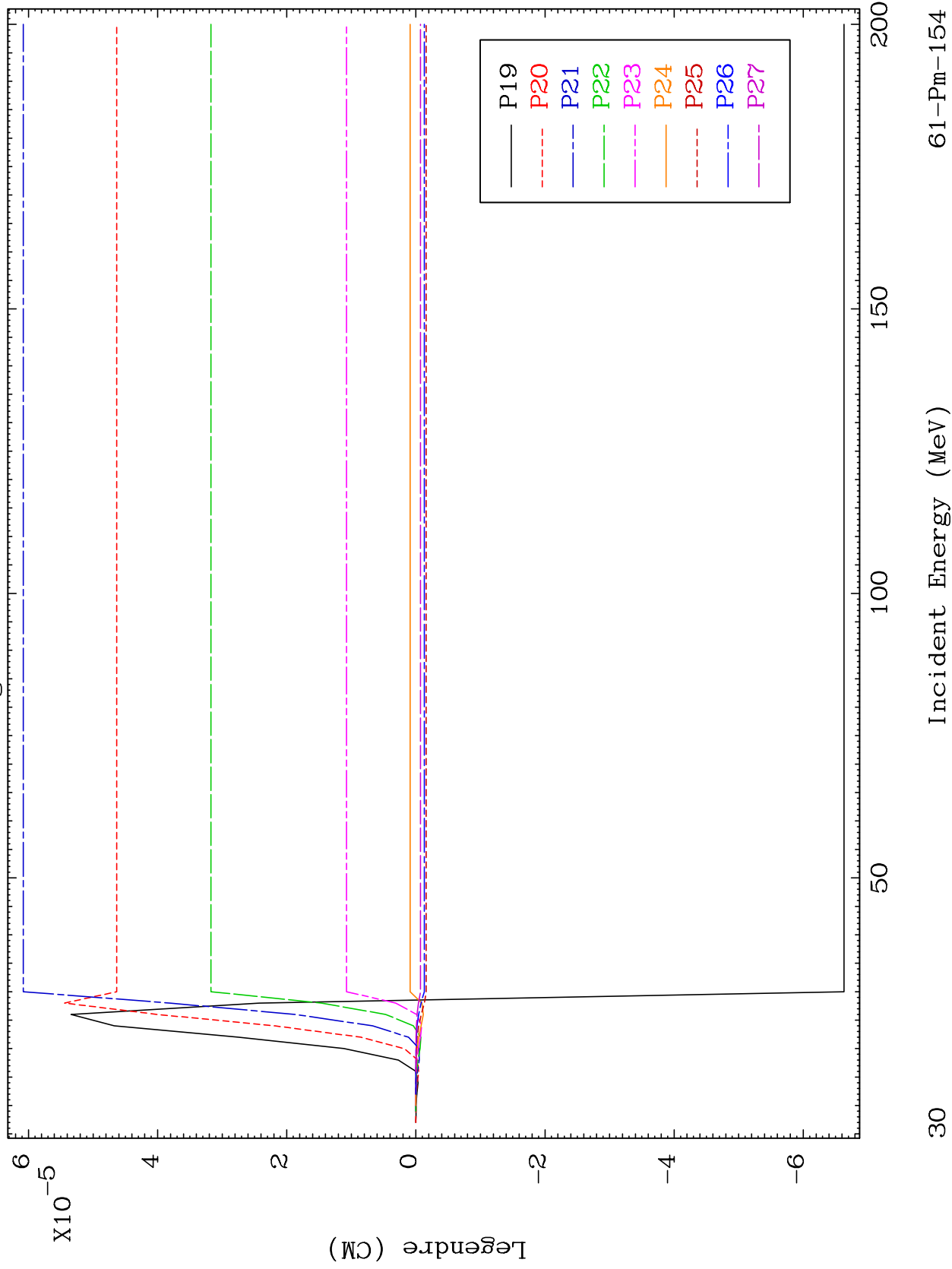
Incident Energy (MeV)

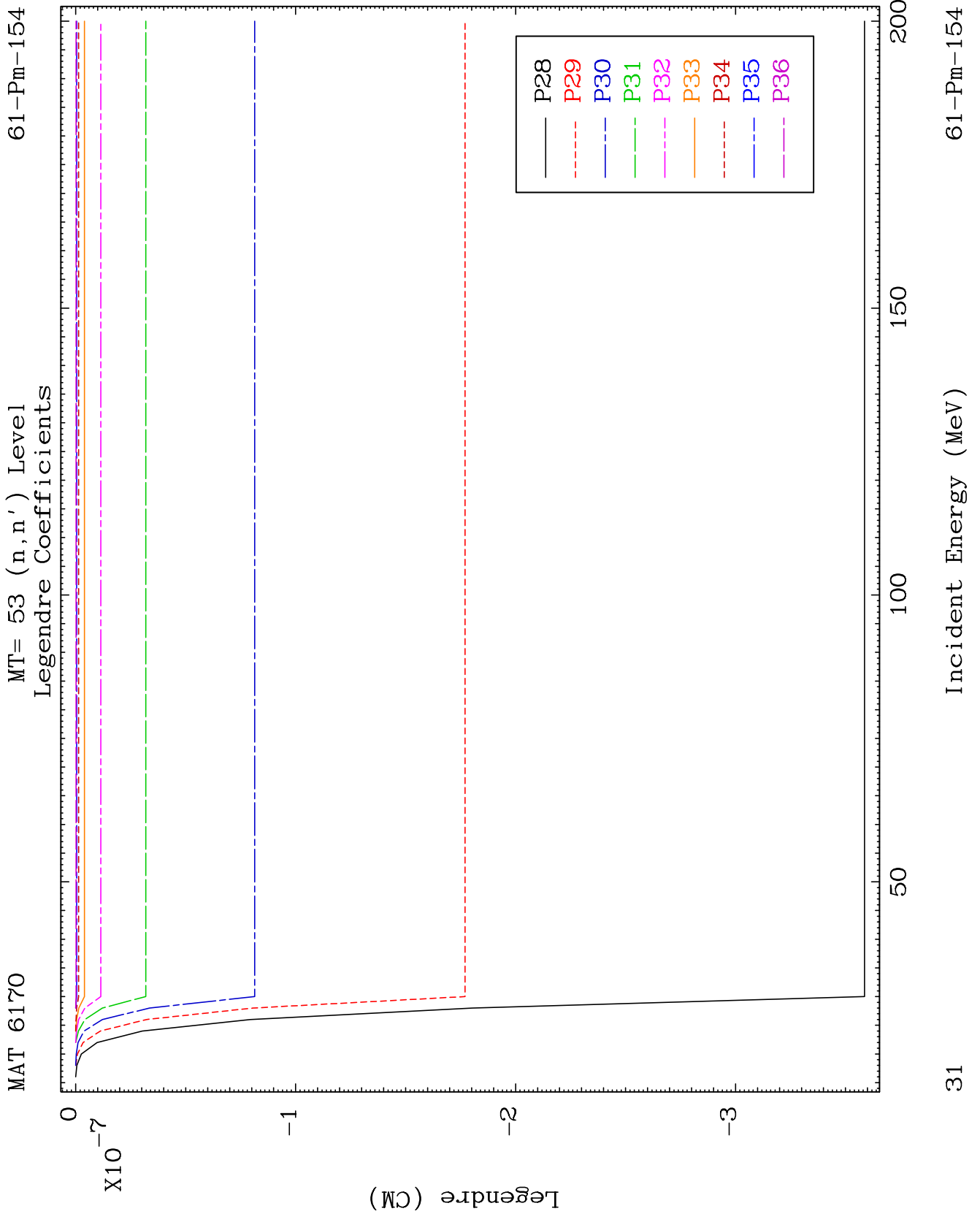
61-Pm-154

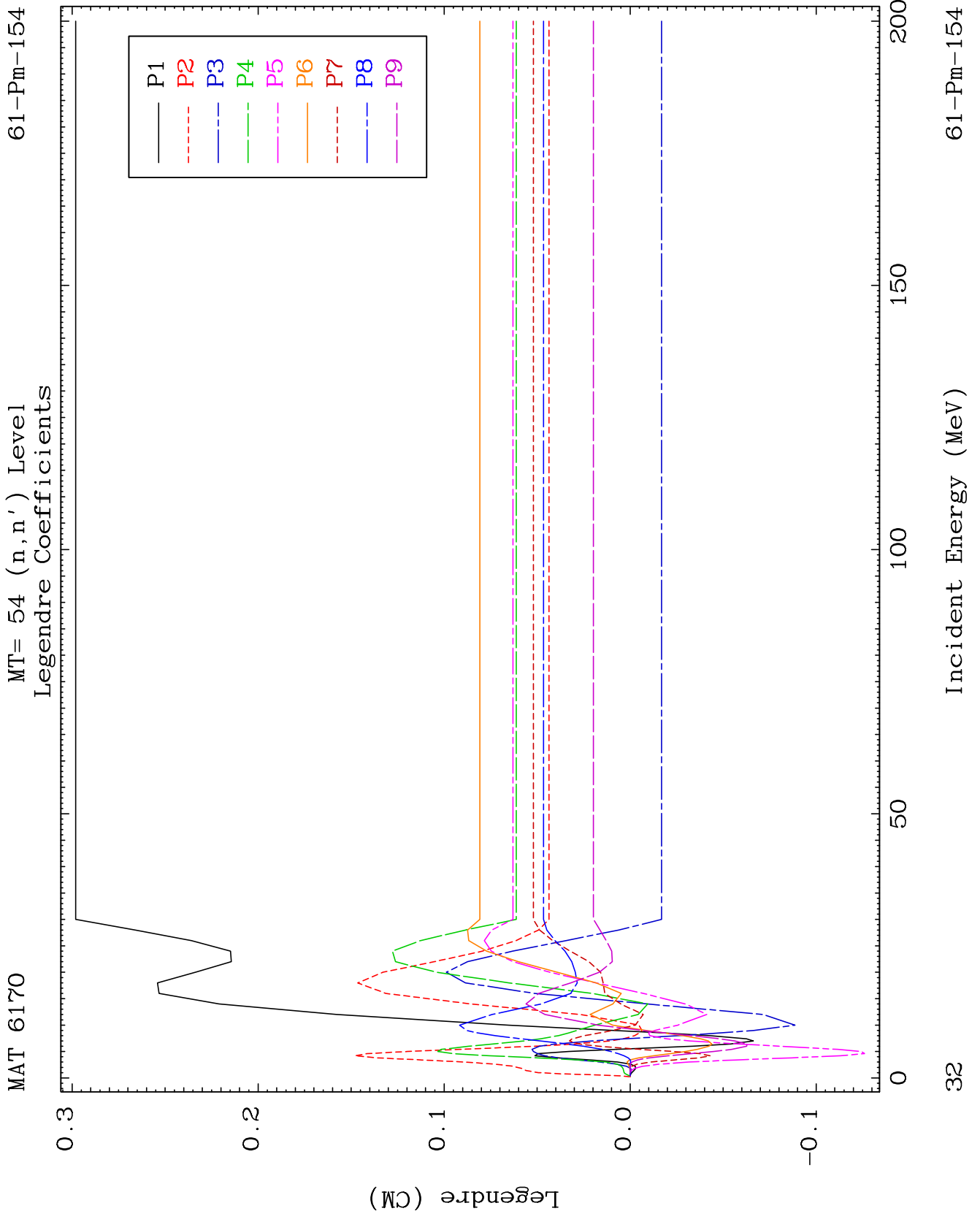
MAT 6170

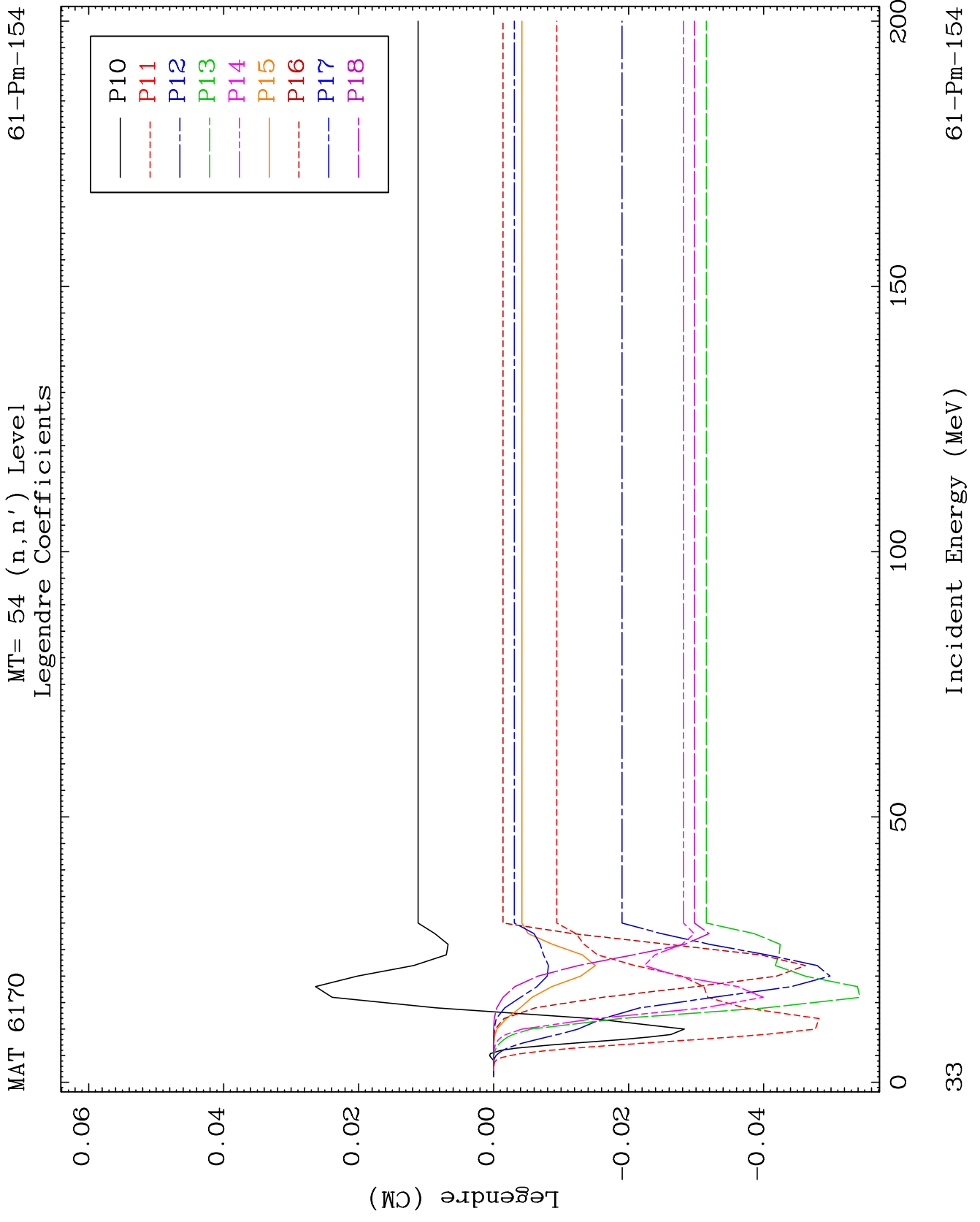
MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-154





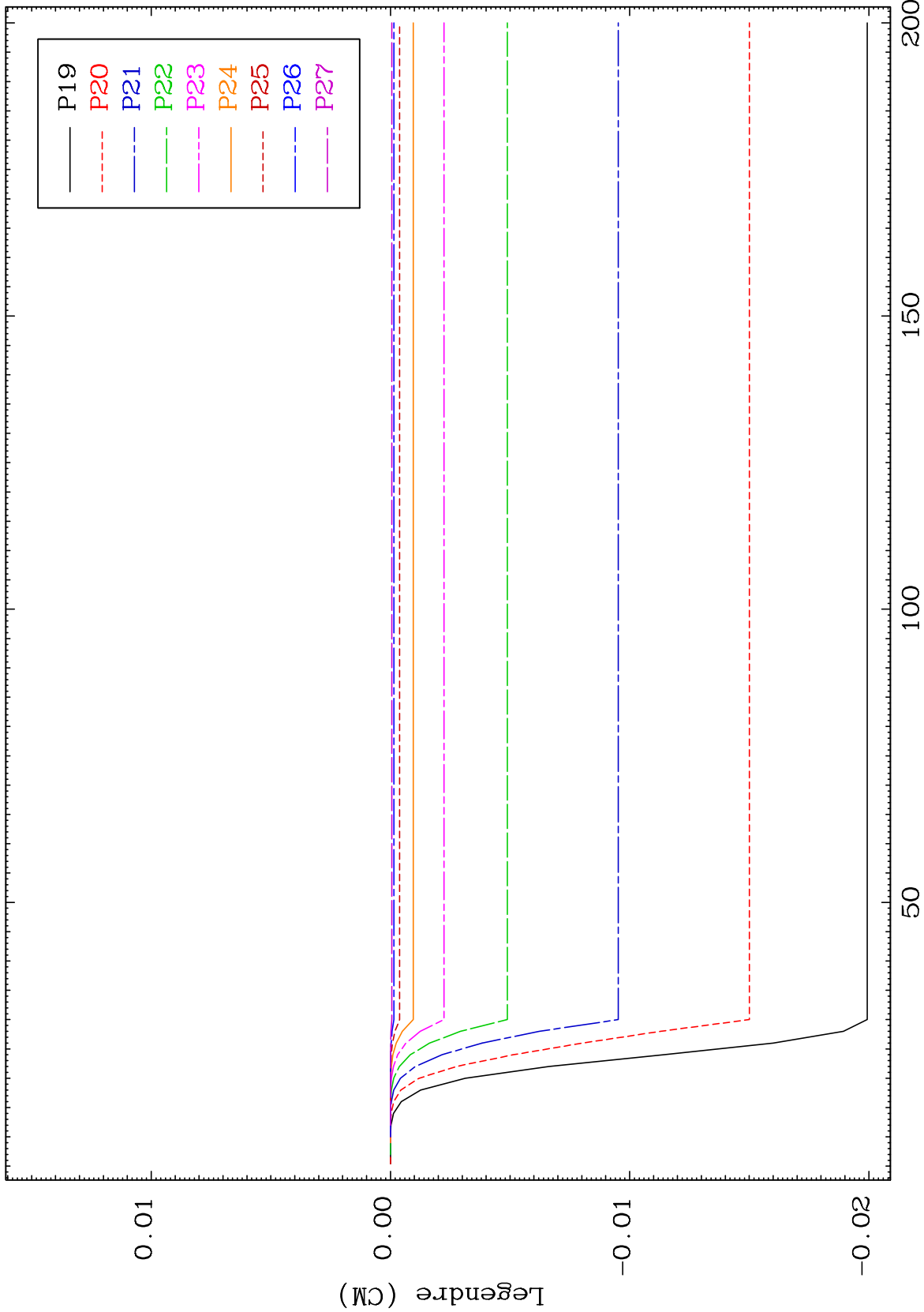




MAT 6170

MT= 54 (n,n') Level
Legendre Coefficients

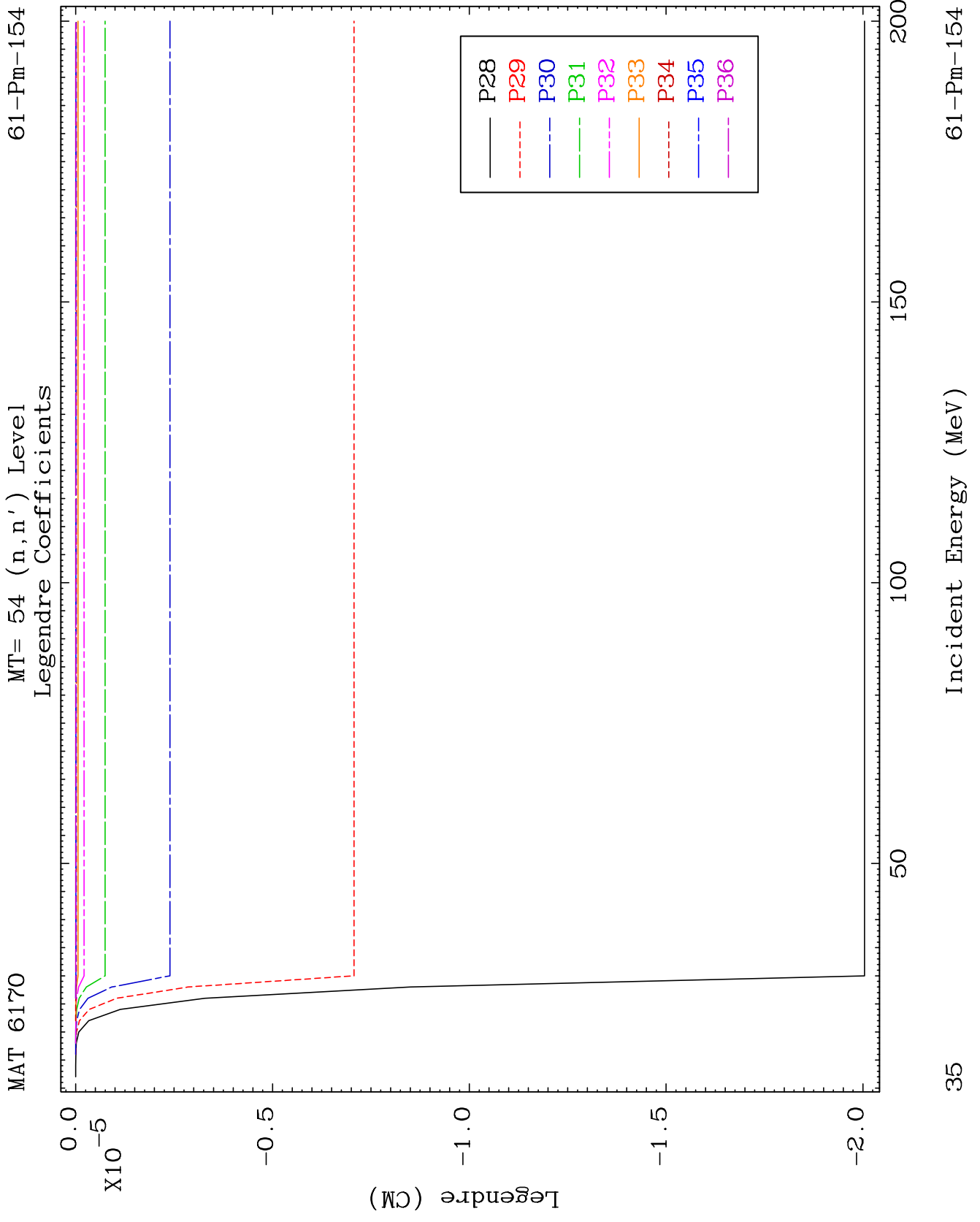
61-Pm-154



34

Incident Energy (MeV)

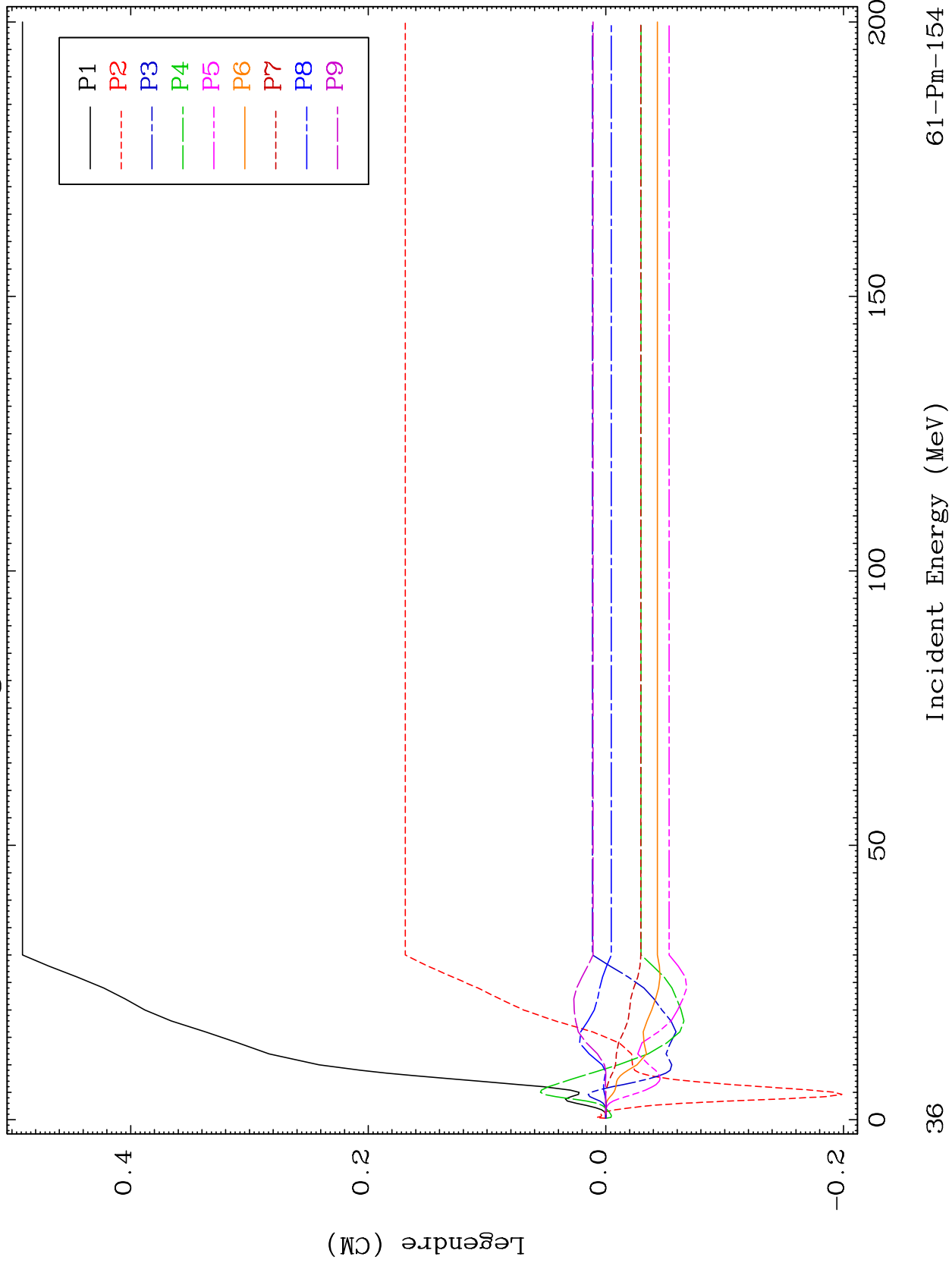
61-Pm-154



MAT 6170

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-154



36

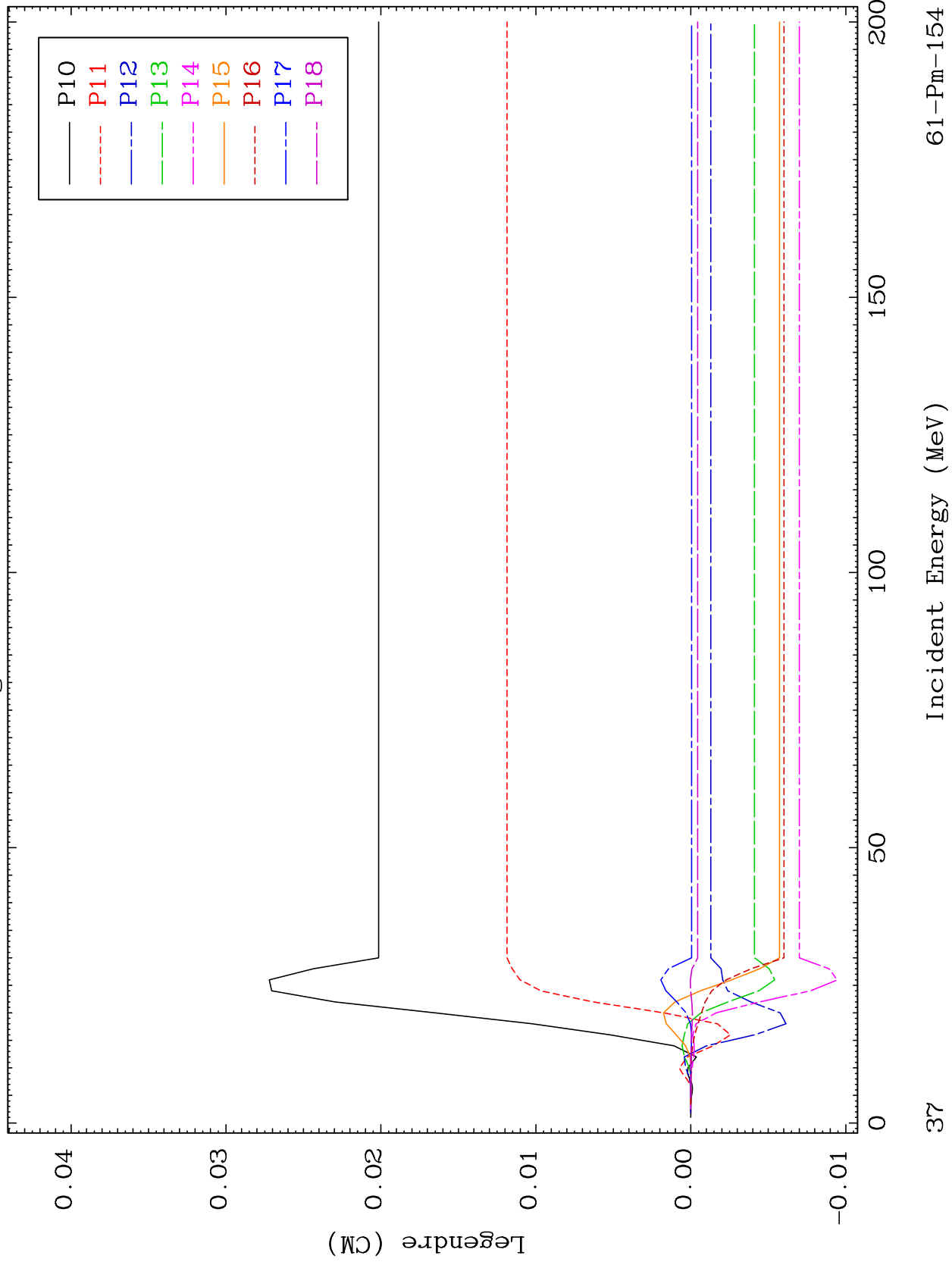
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 55 (n,n') Level
Legendre Coefficients

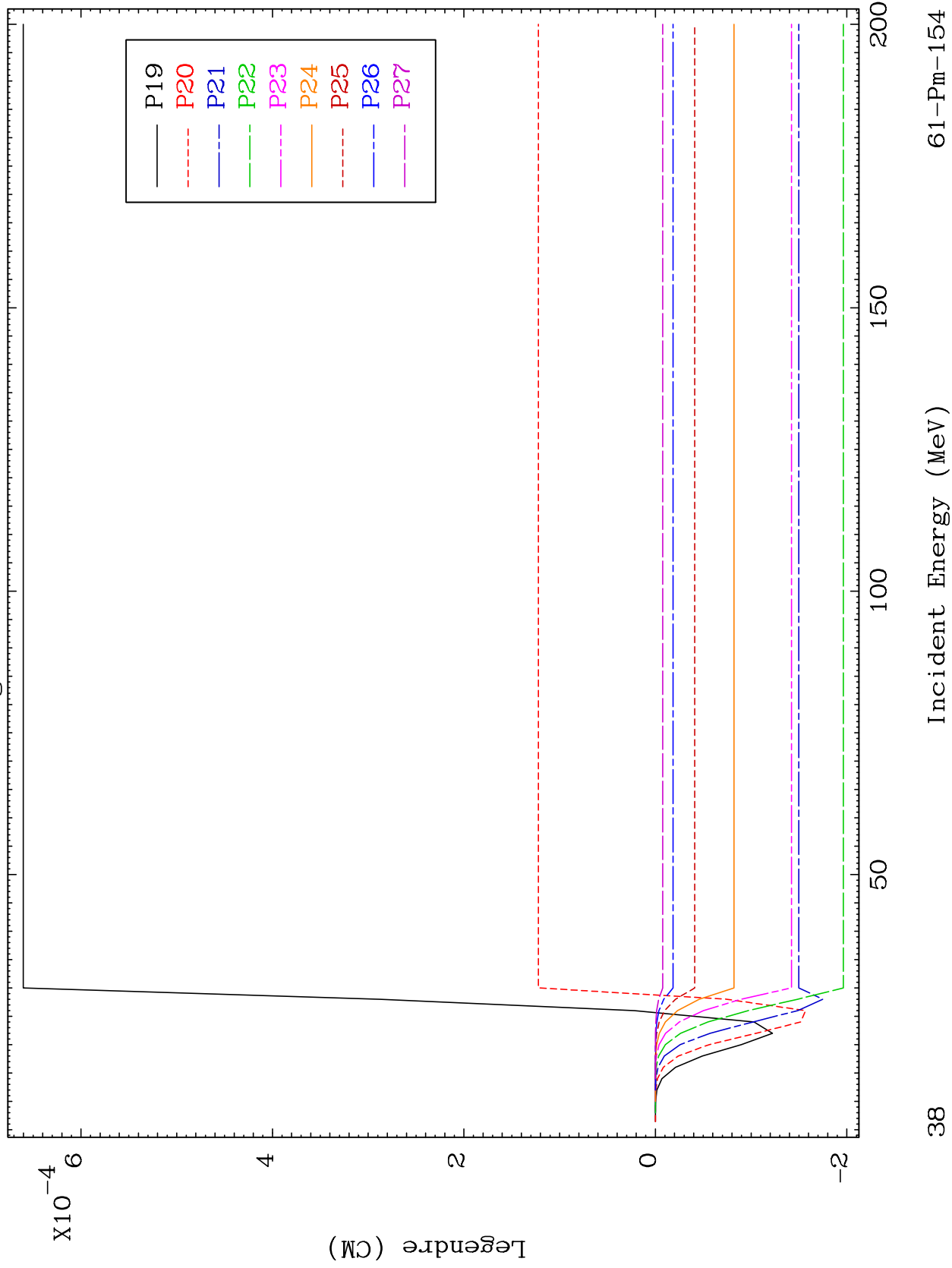
61-Pm-154



MAT 6170

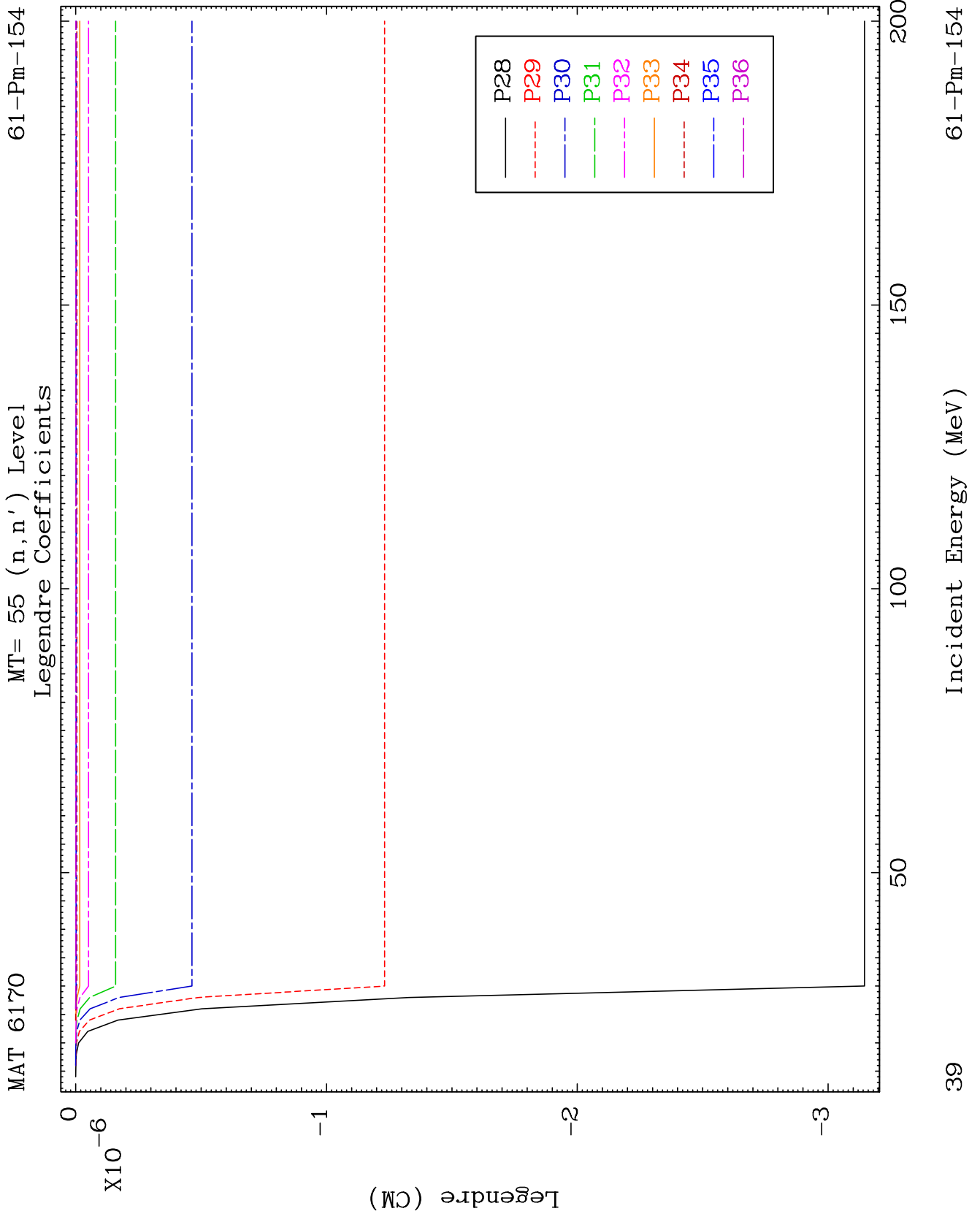
MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-154



38

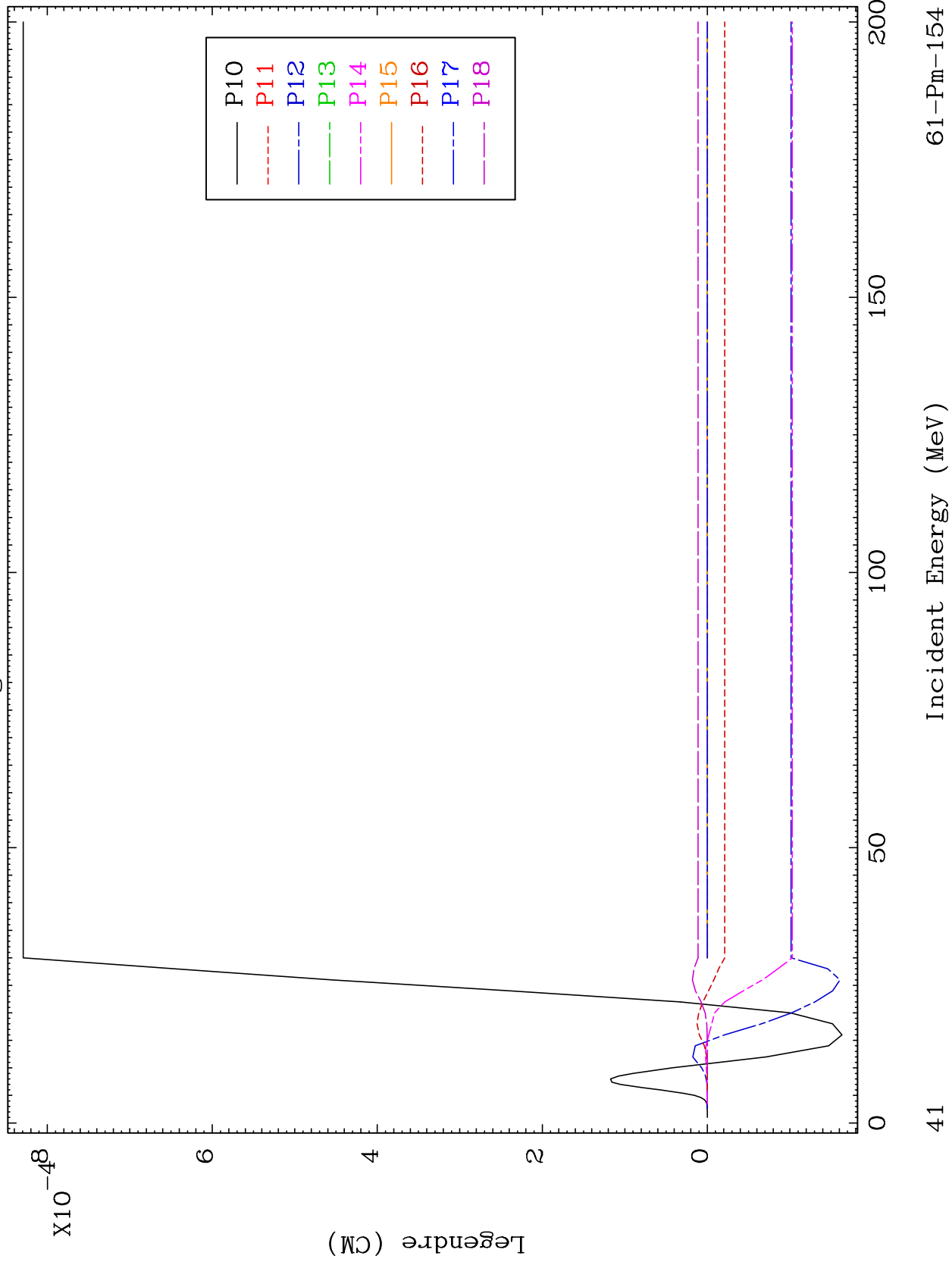
61-Pm-154



MAT 6170

MT= 56 (n,n') Level
Legendre Coefficients

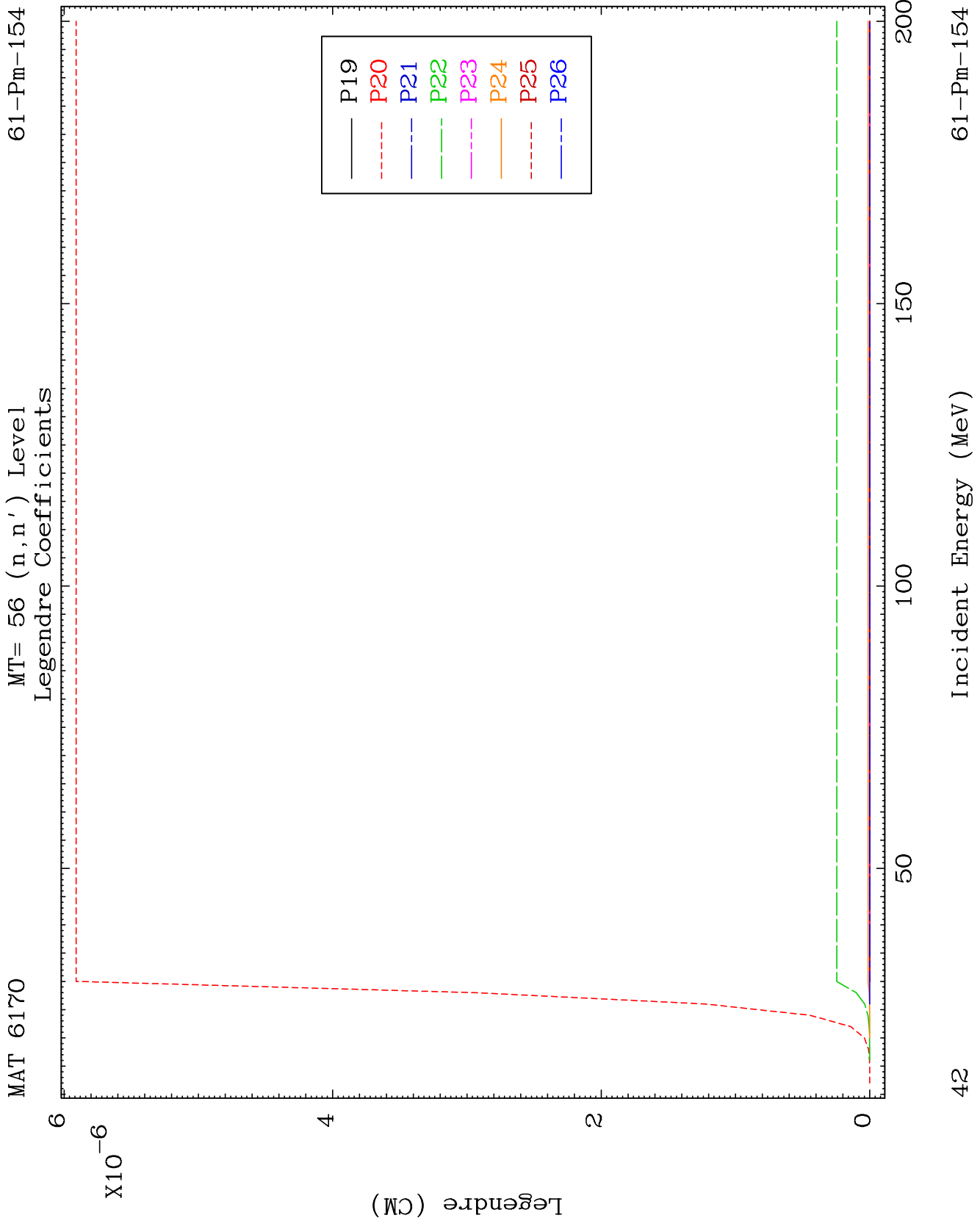
61-Pm-154



41

Incident Energy (MeV)

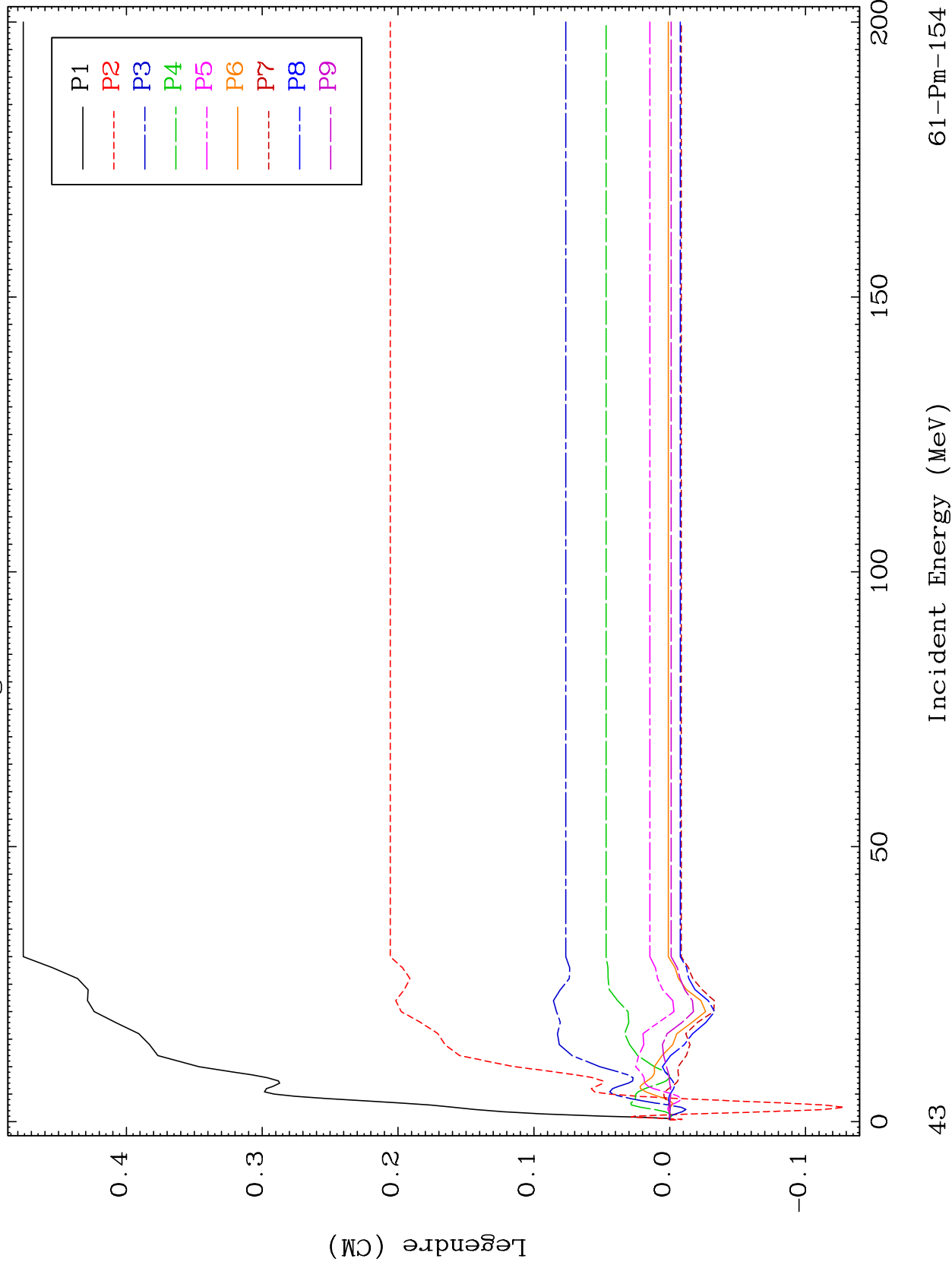
61-Pm-154



MAT 6170

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

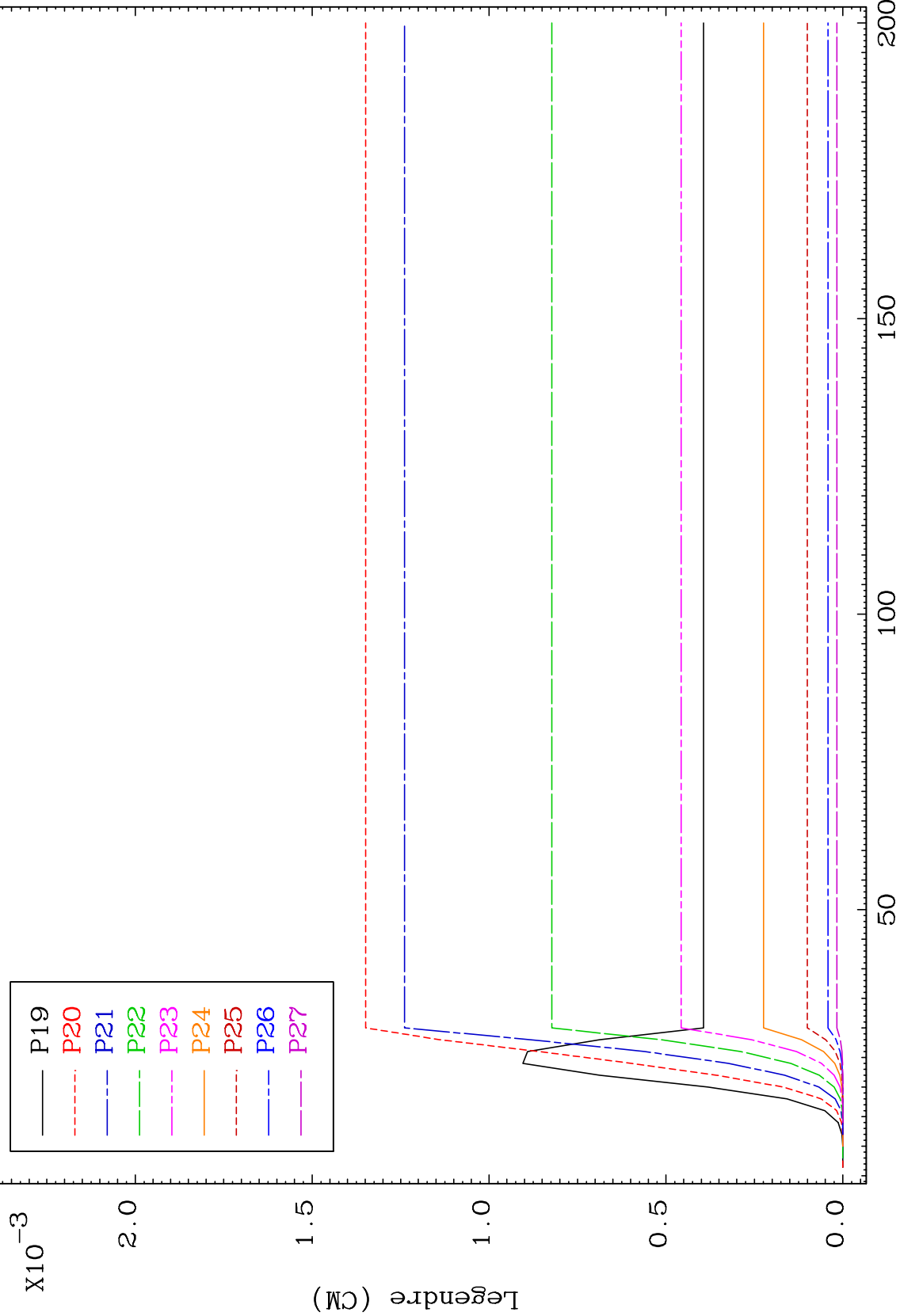
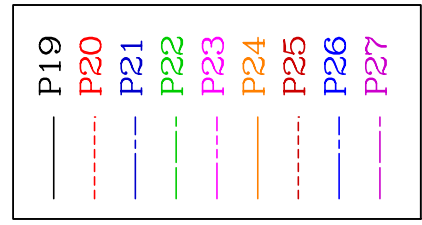
Incident Energy (MeV)

43

MAT 6170

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-154



45

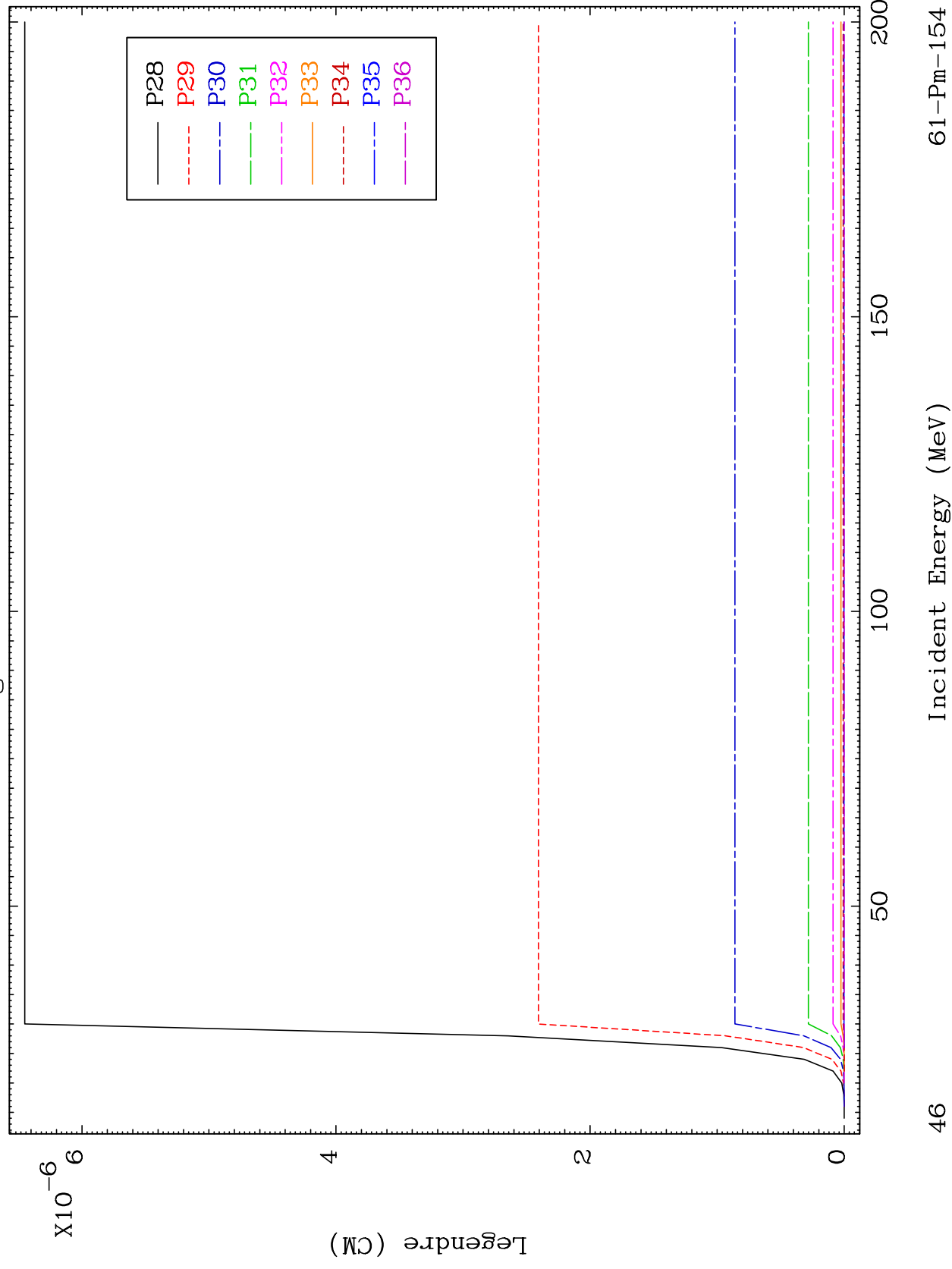
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-154



46

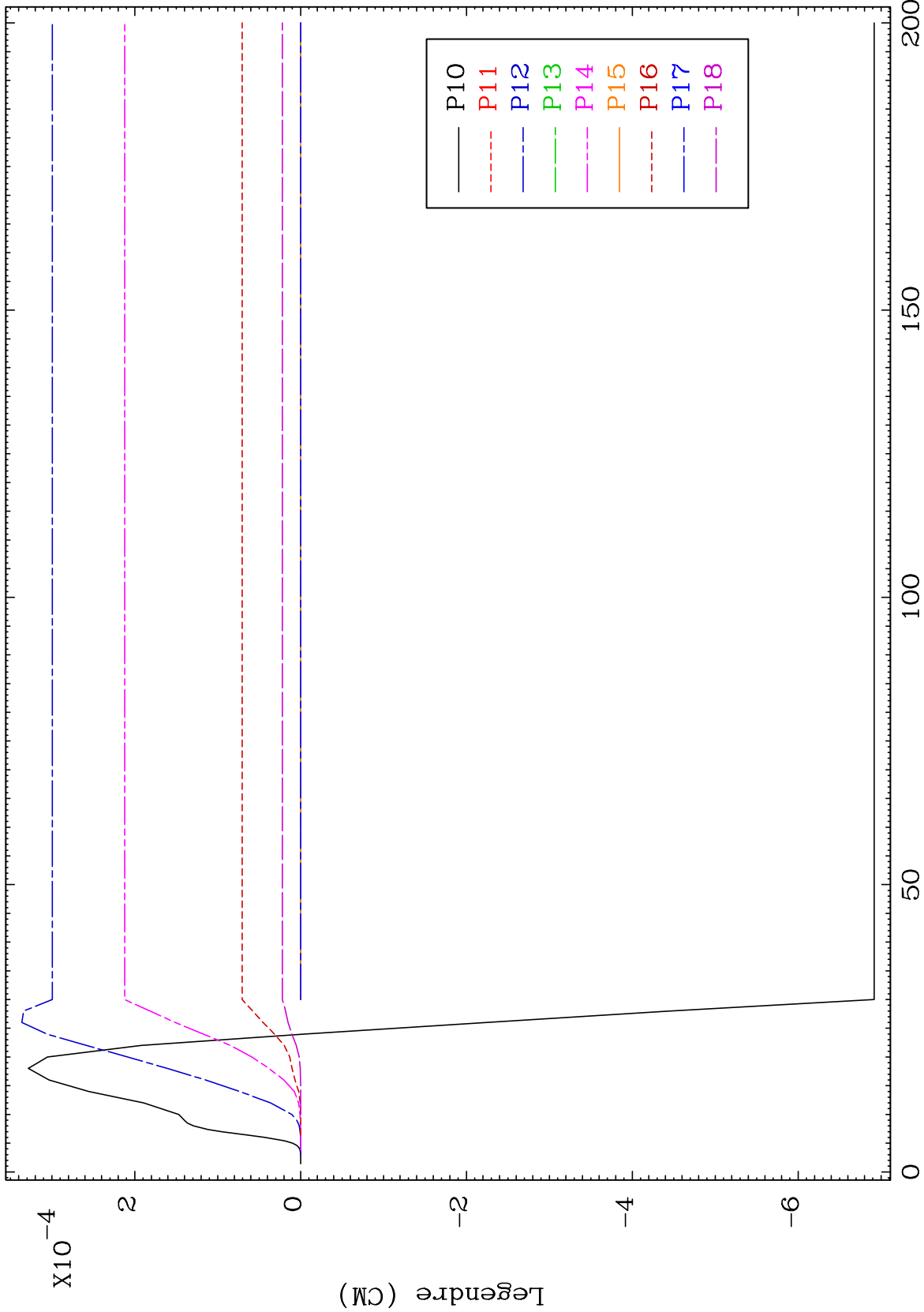
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 58 (n,n') Level
Legendre Coefficients

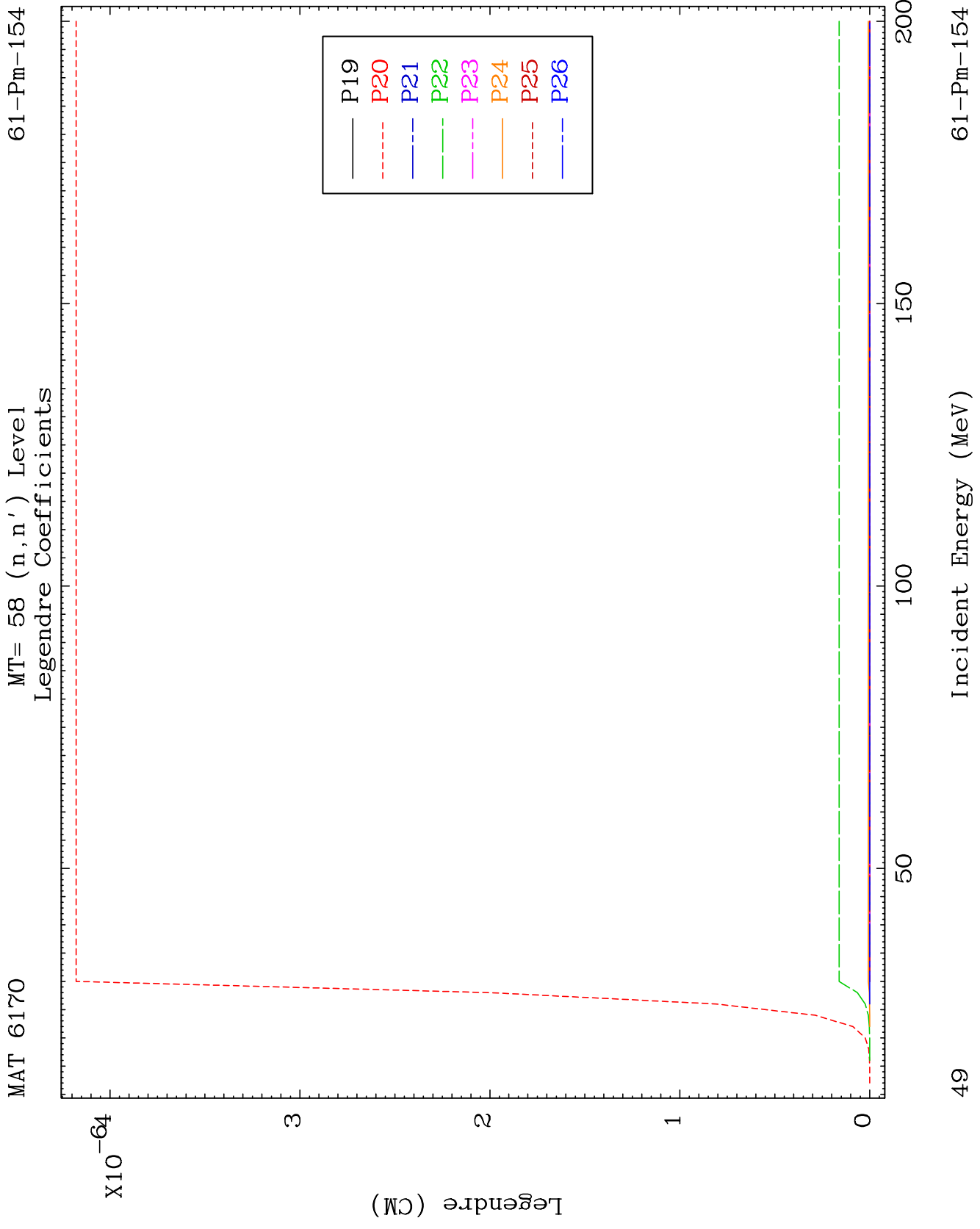
61-Pm-154



48

Incident Energy (MeV)

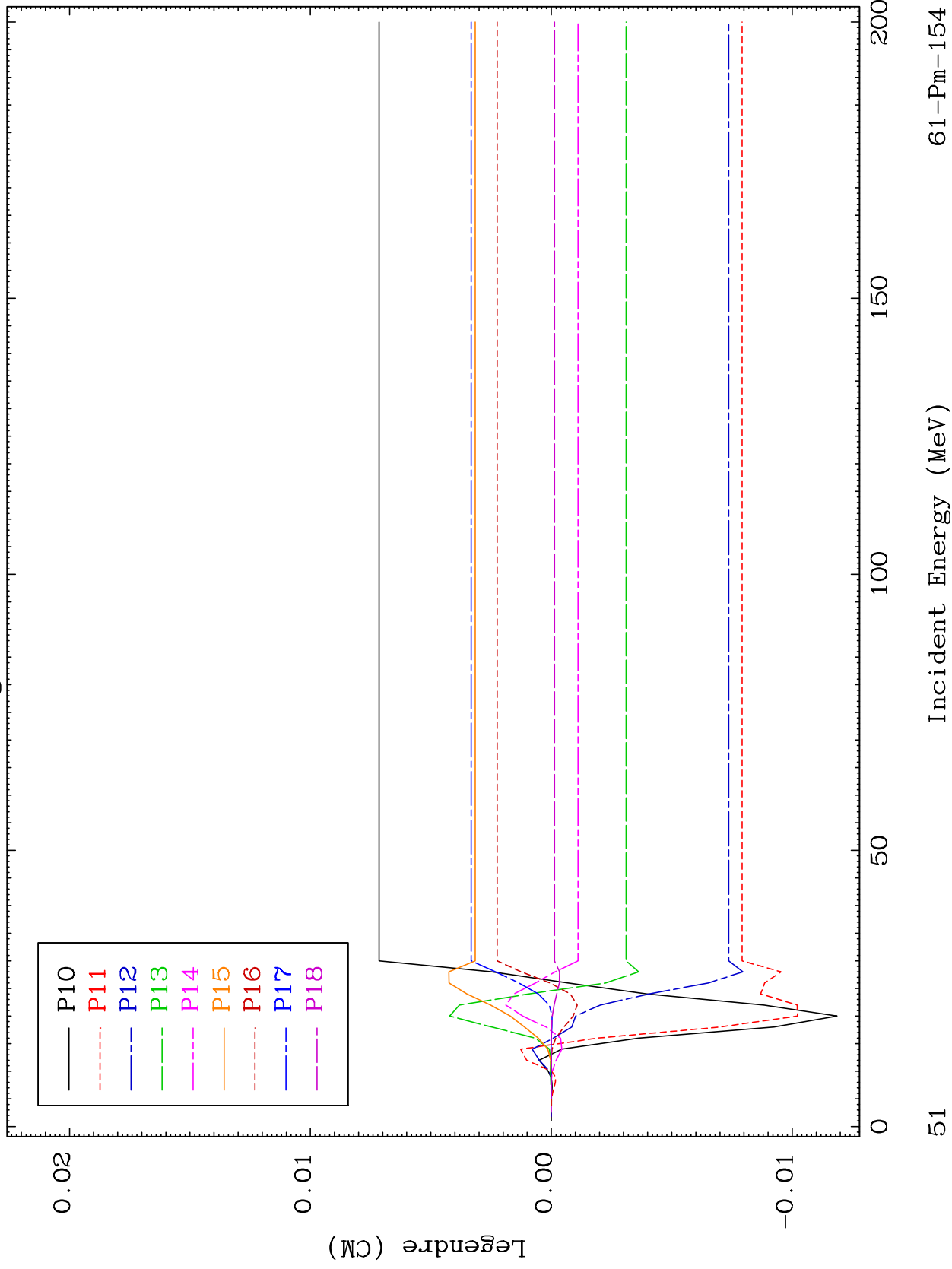
61-Pm-154



MAT 6170

MT= 59 (n,n') Level
Legendre Coefficients

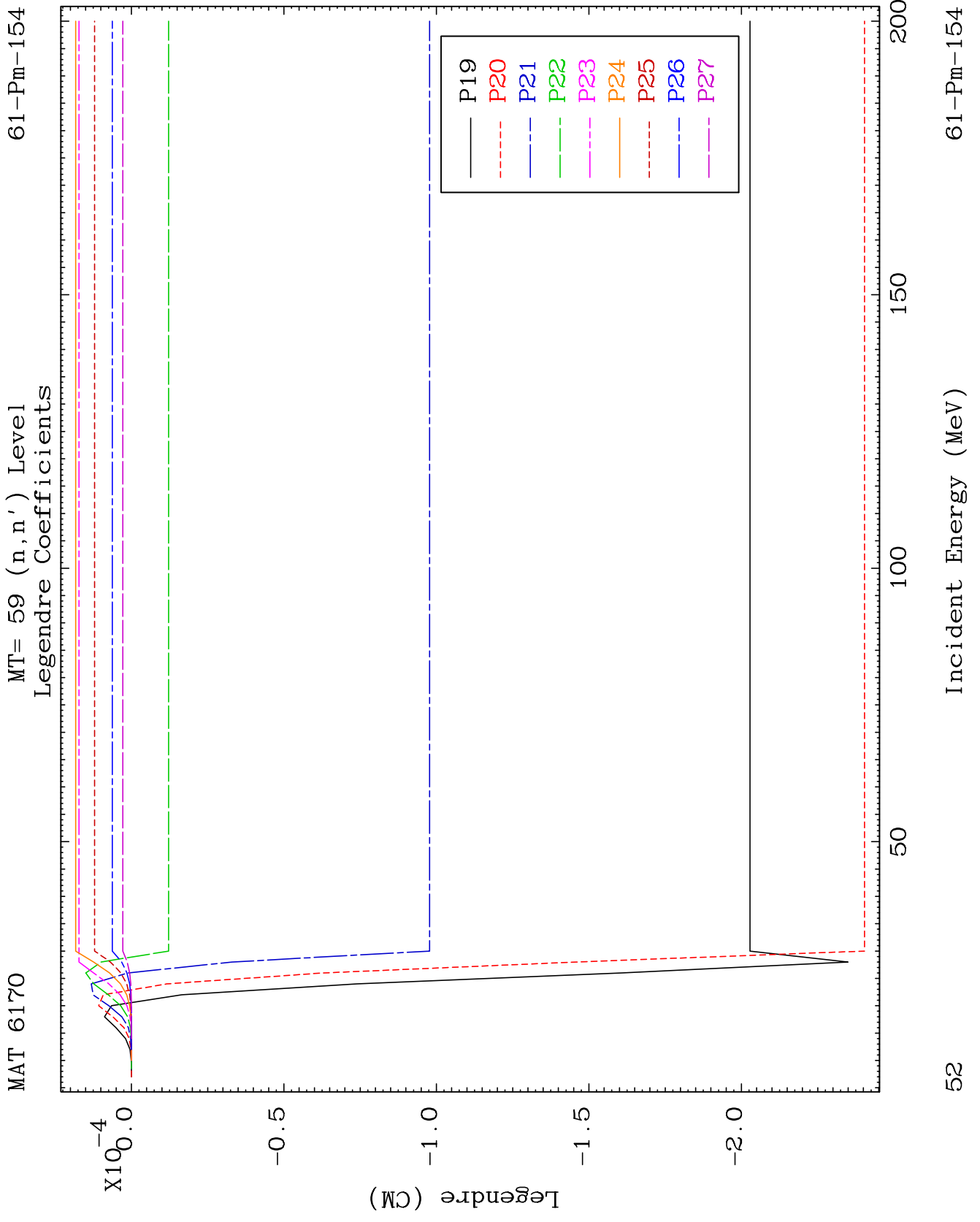
61-Pm-154



51

Incident Energy (MeV)

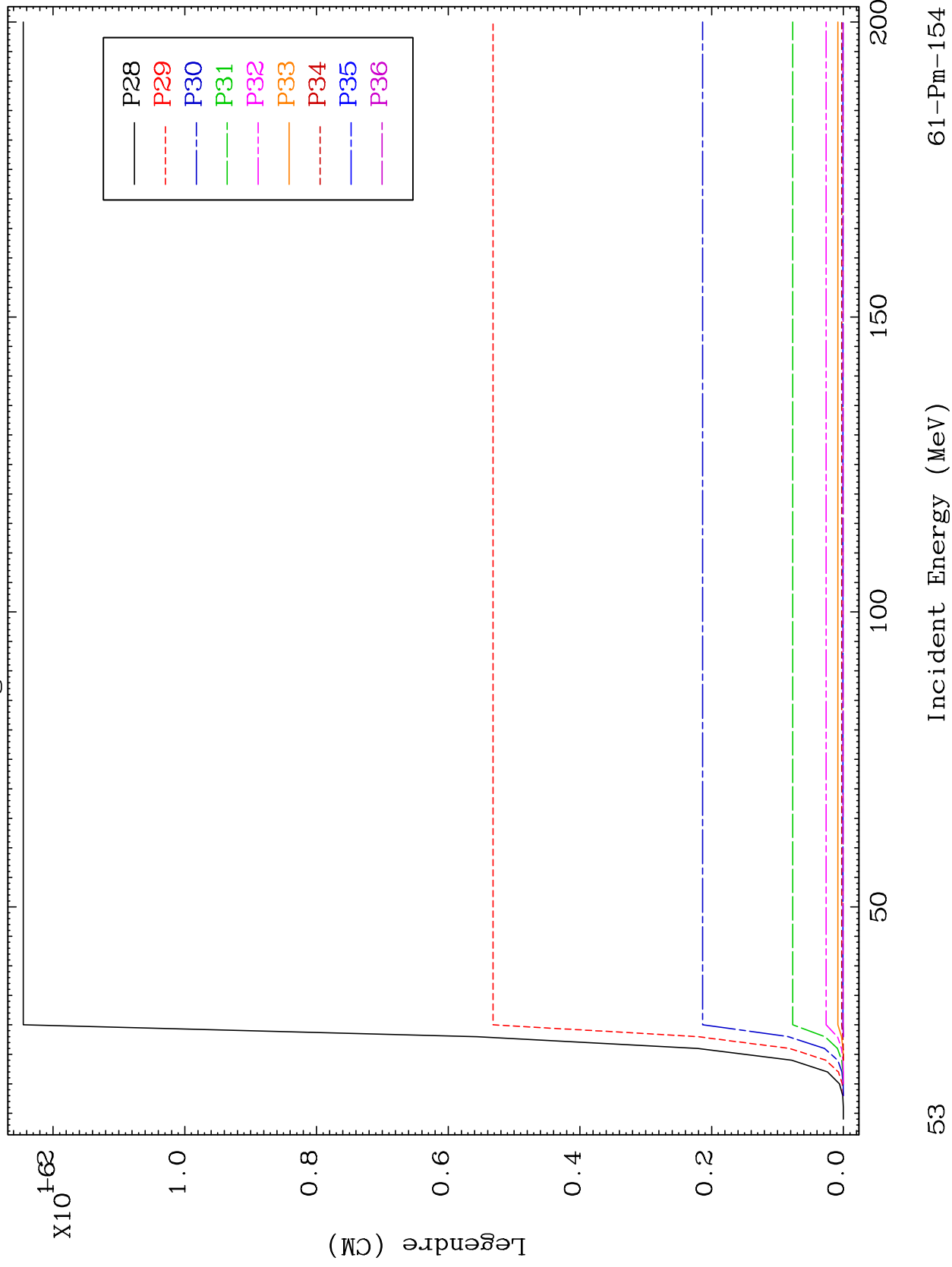
61-Pm-154



MAT 6170

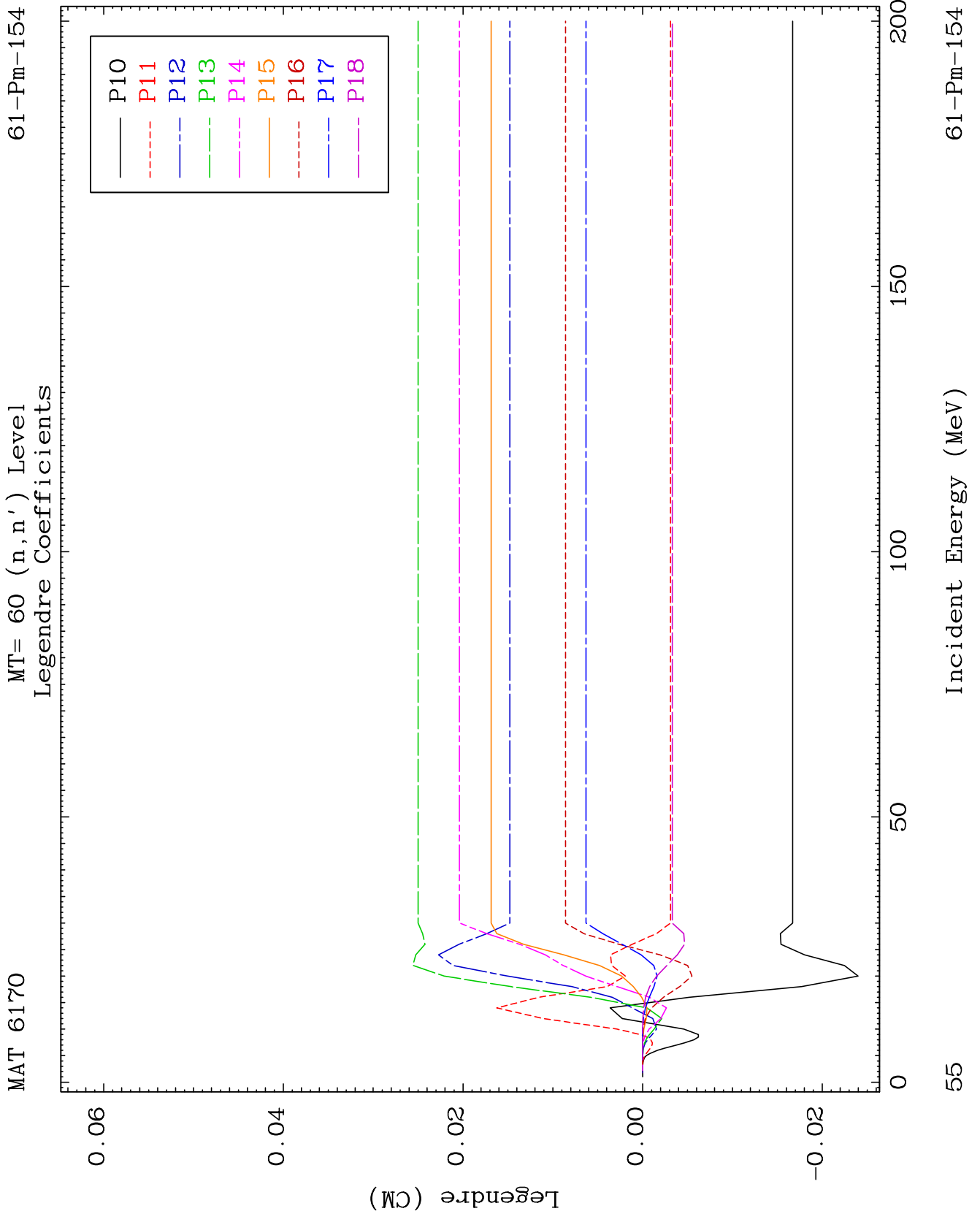
MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-154



53

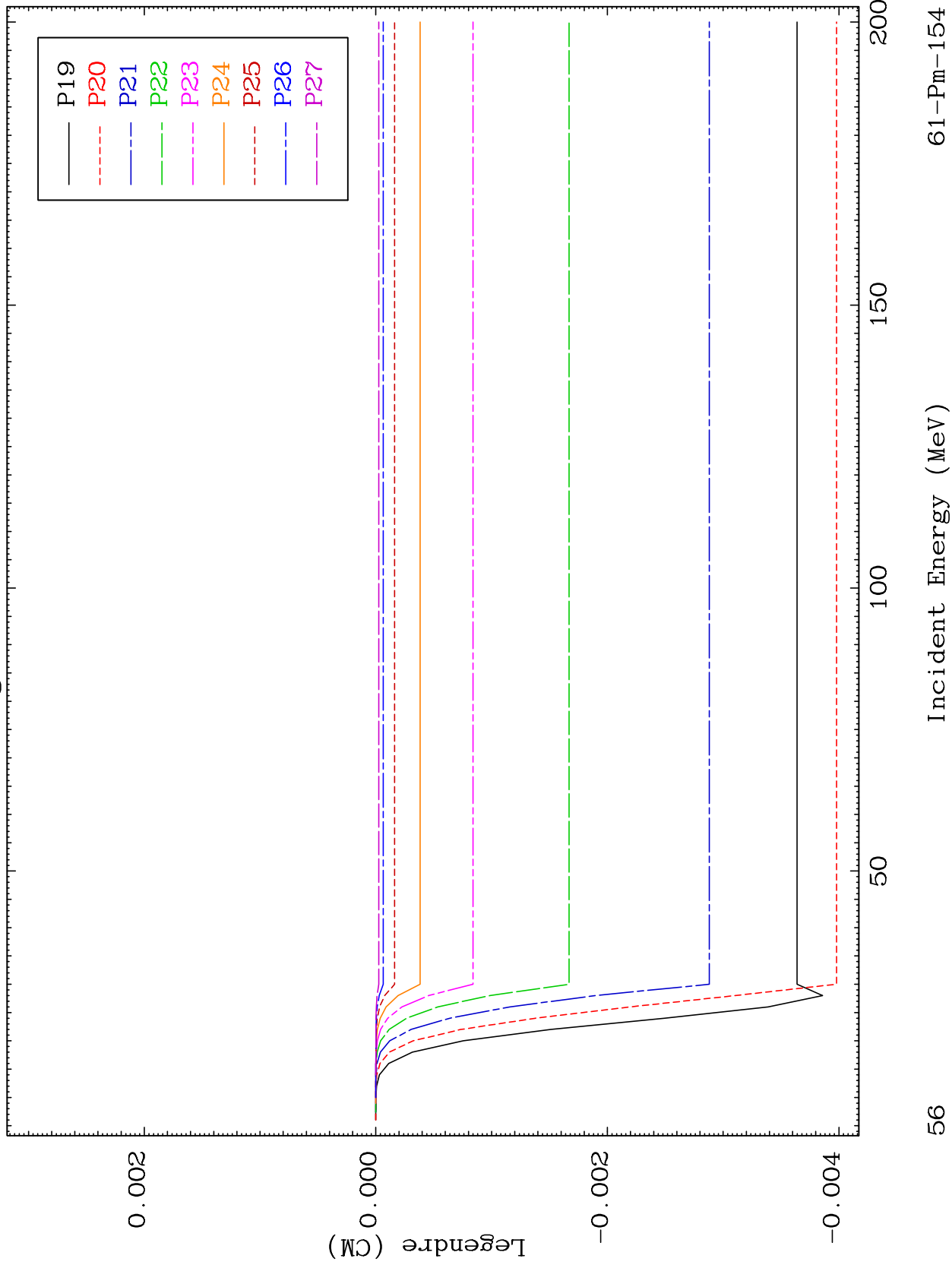
61-Pm-154



MAT 6170

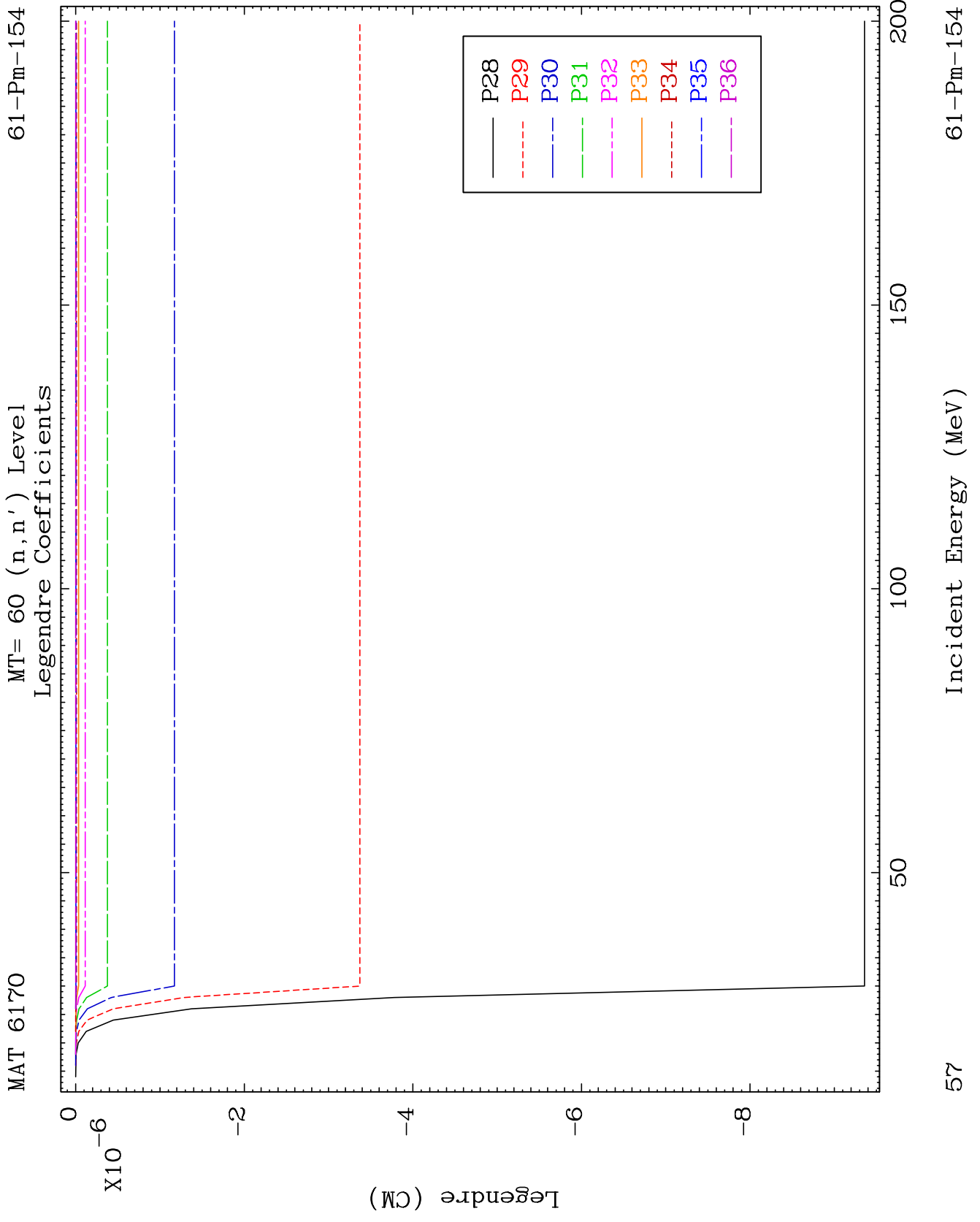
MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-154



56

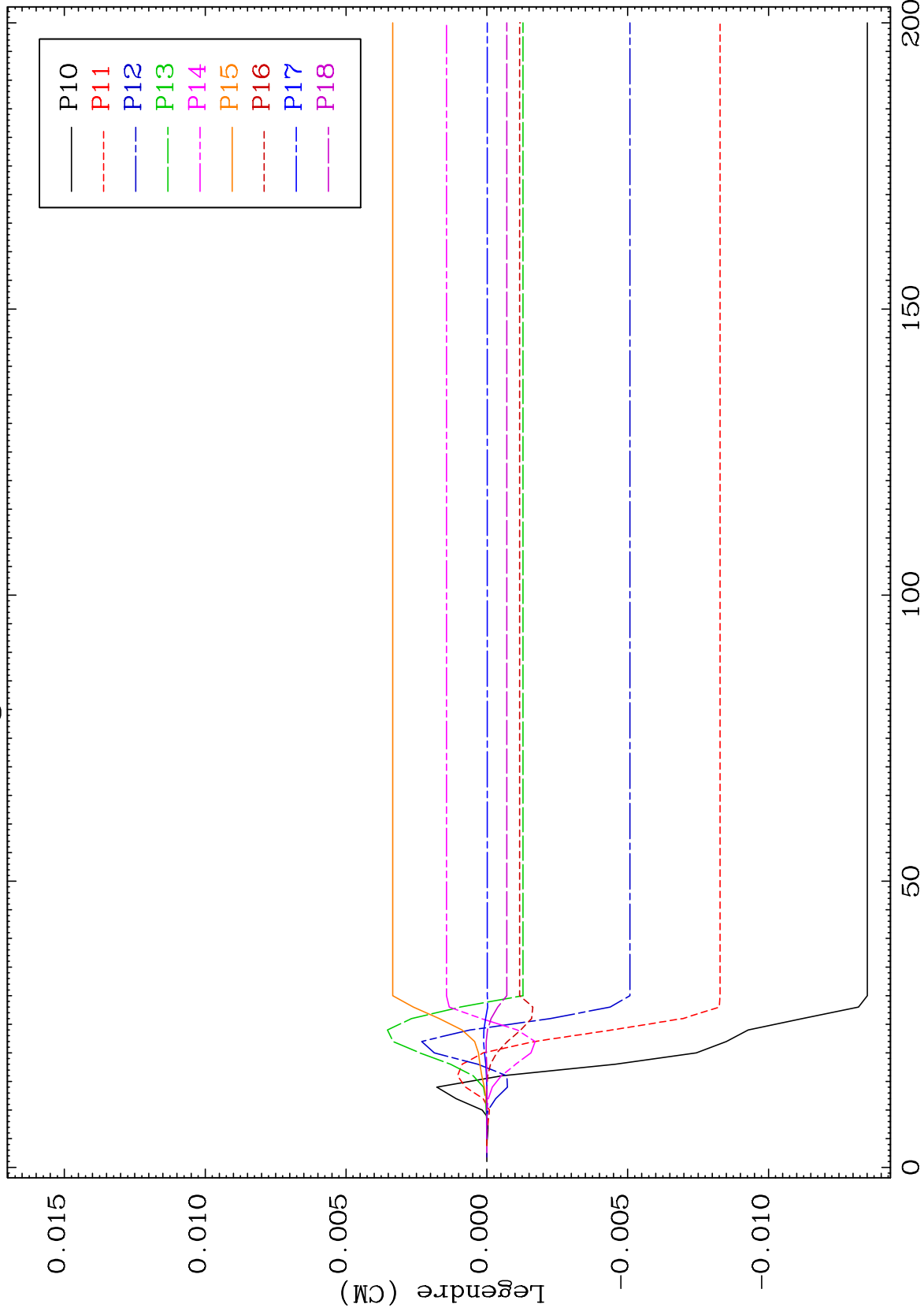
61-Pm-154



MAT 6170

MT= 61 (n,n') Level
Legendre Coefficients

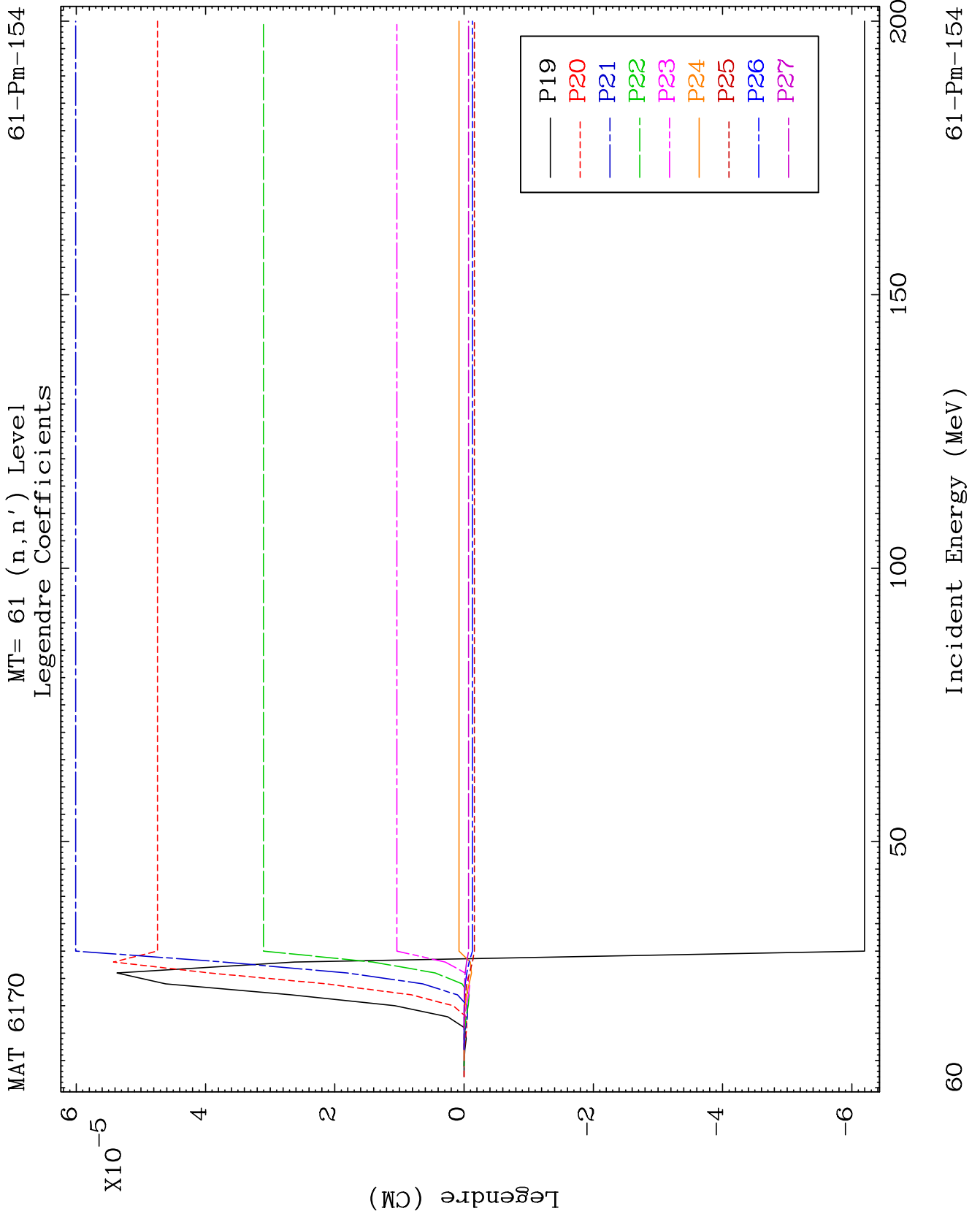
61-Pm-154

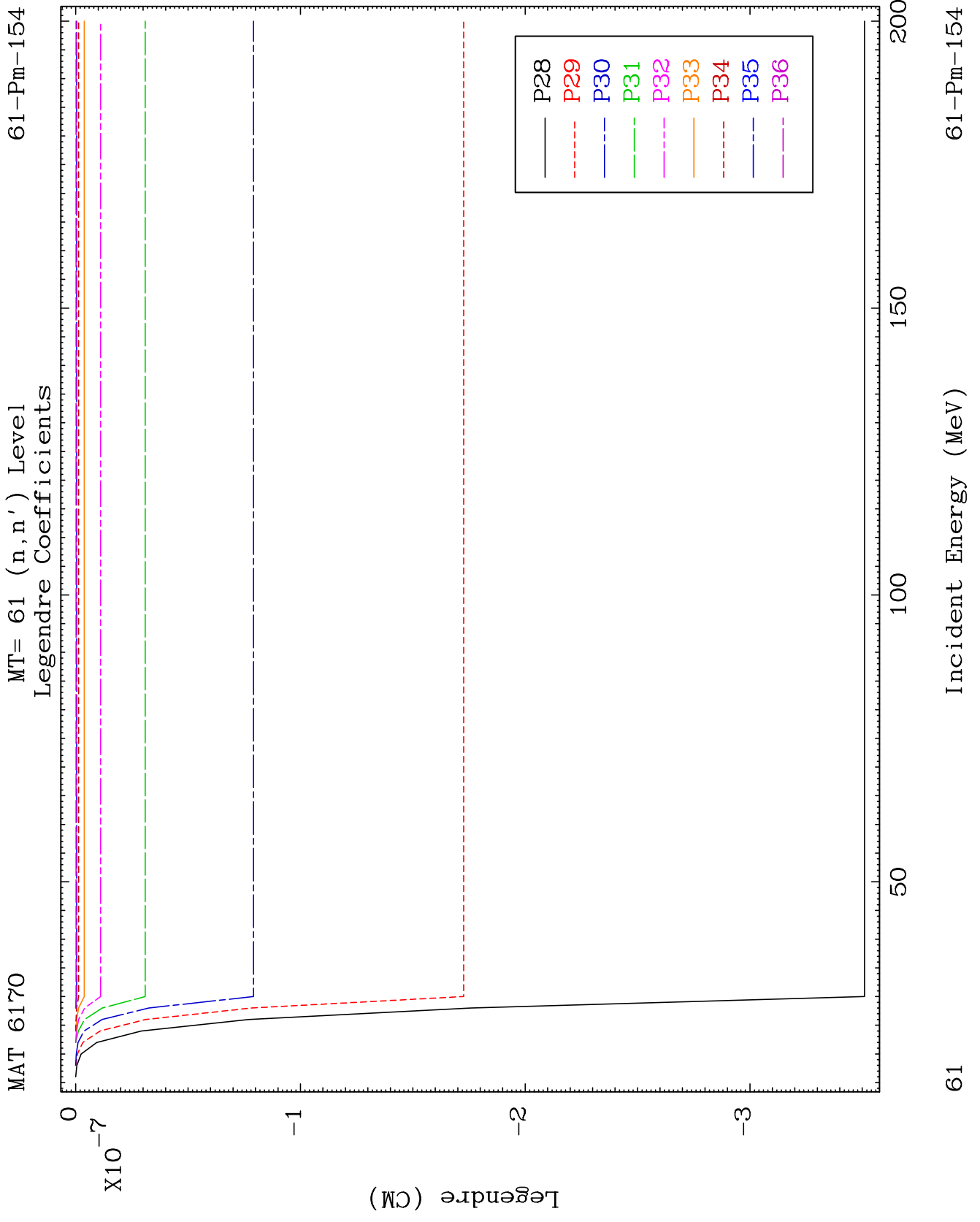


59

Incident Energy (MeV)

61-Pm-154

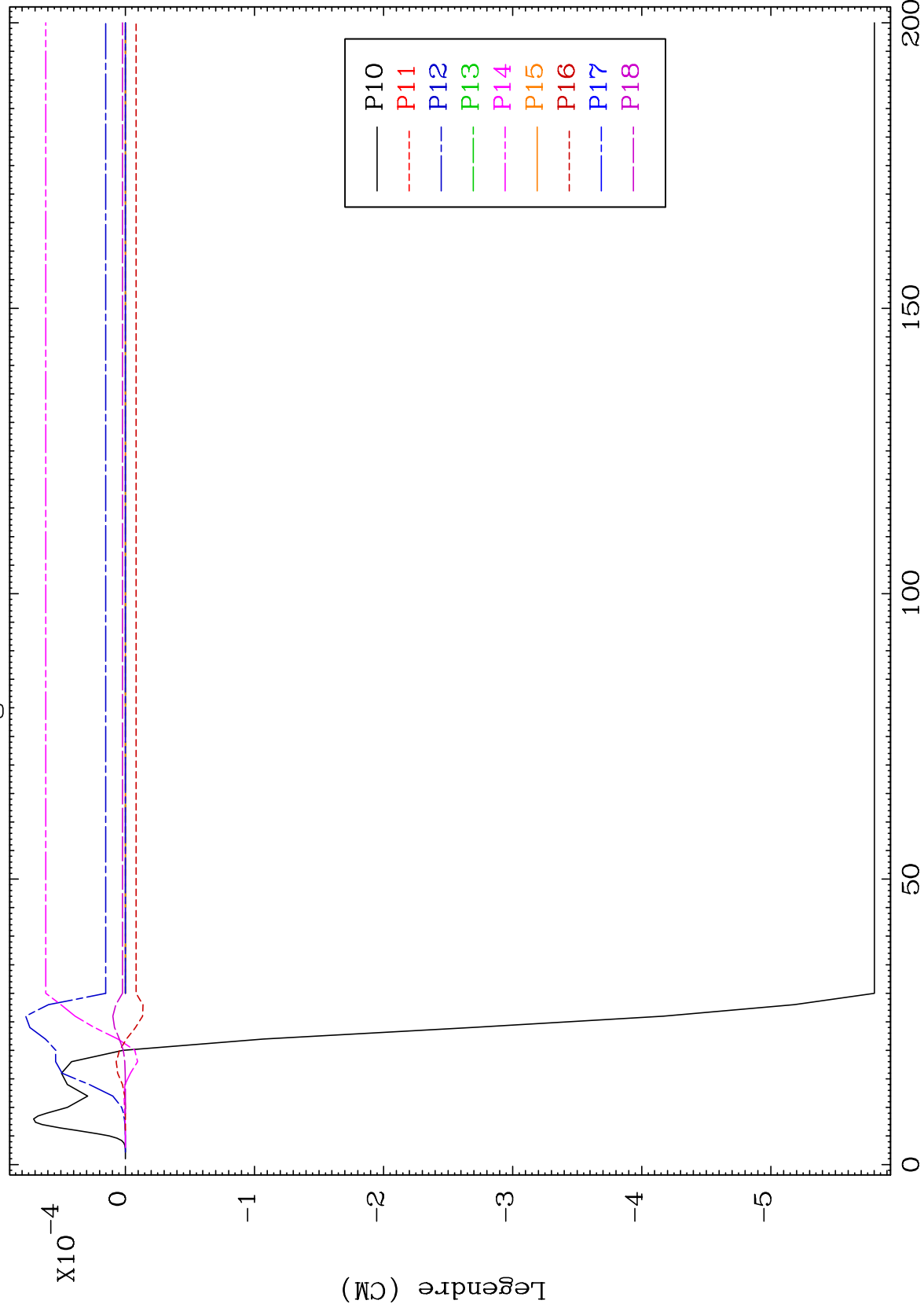




MAT 6170

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-154



63

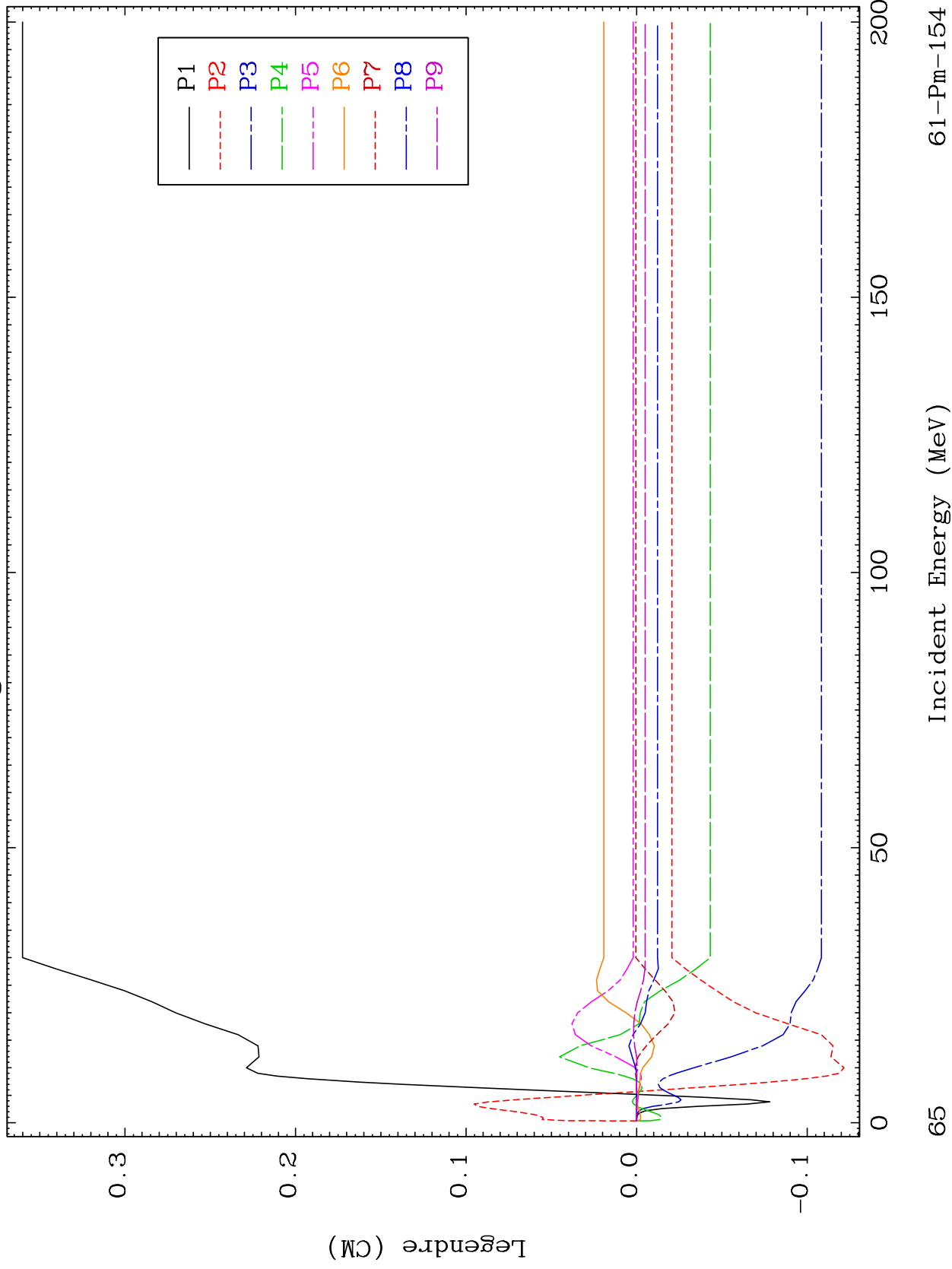
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 63 (n,n') Level
Legendre Coefficients

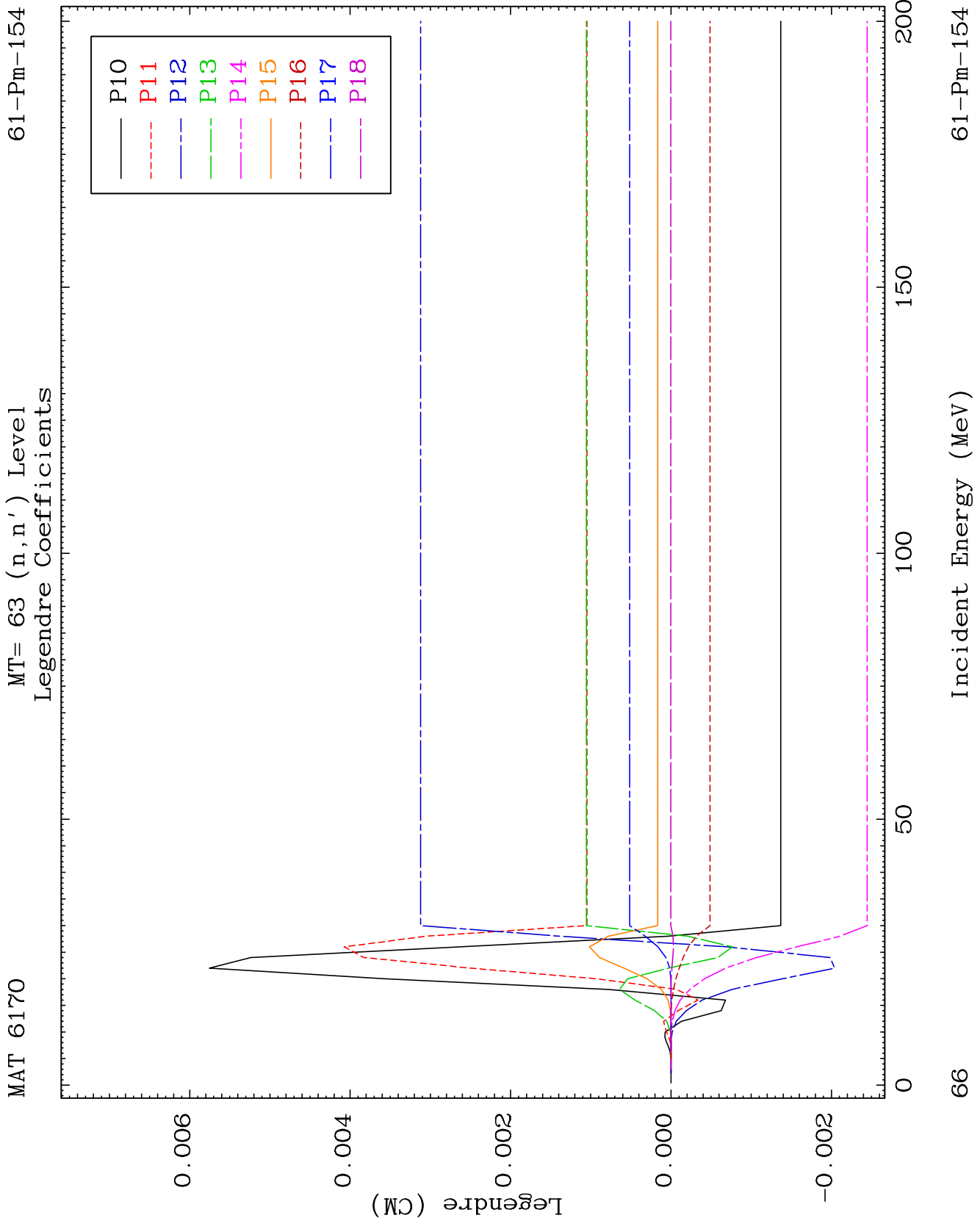
61-Pm-154



65

Incident Energy (MeV)

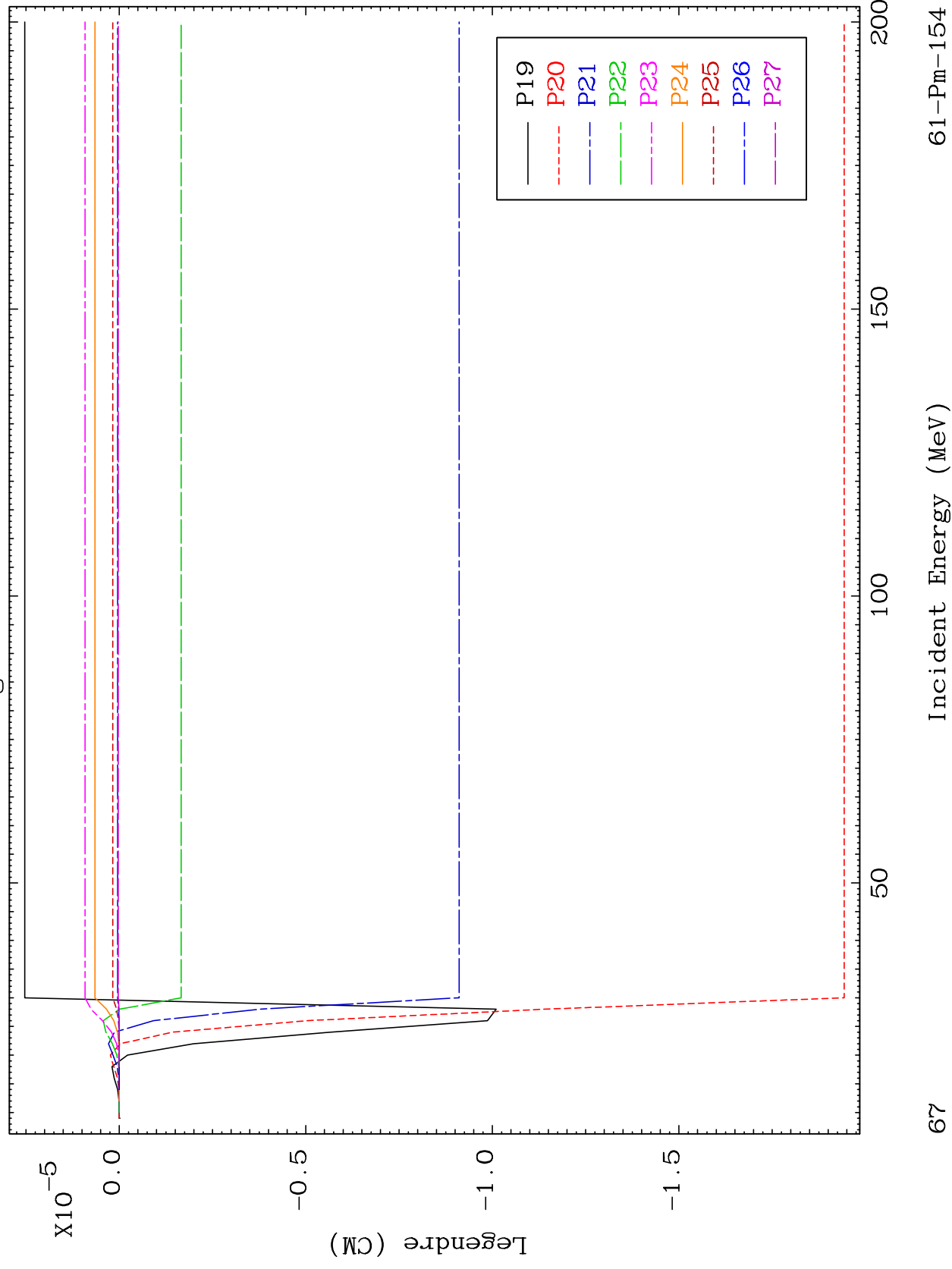
61-Pm-154



MAT 6170

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-154



67

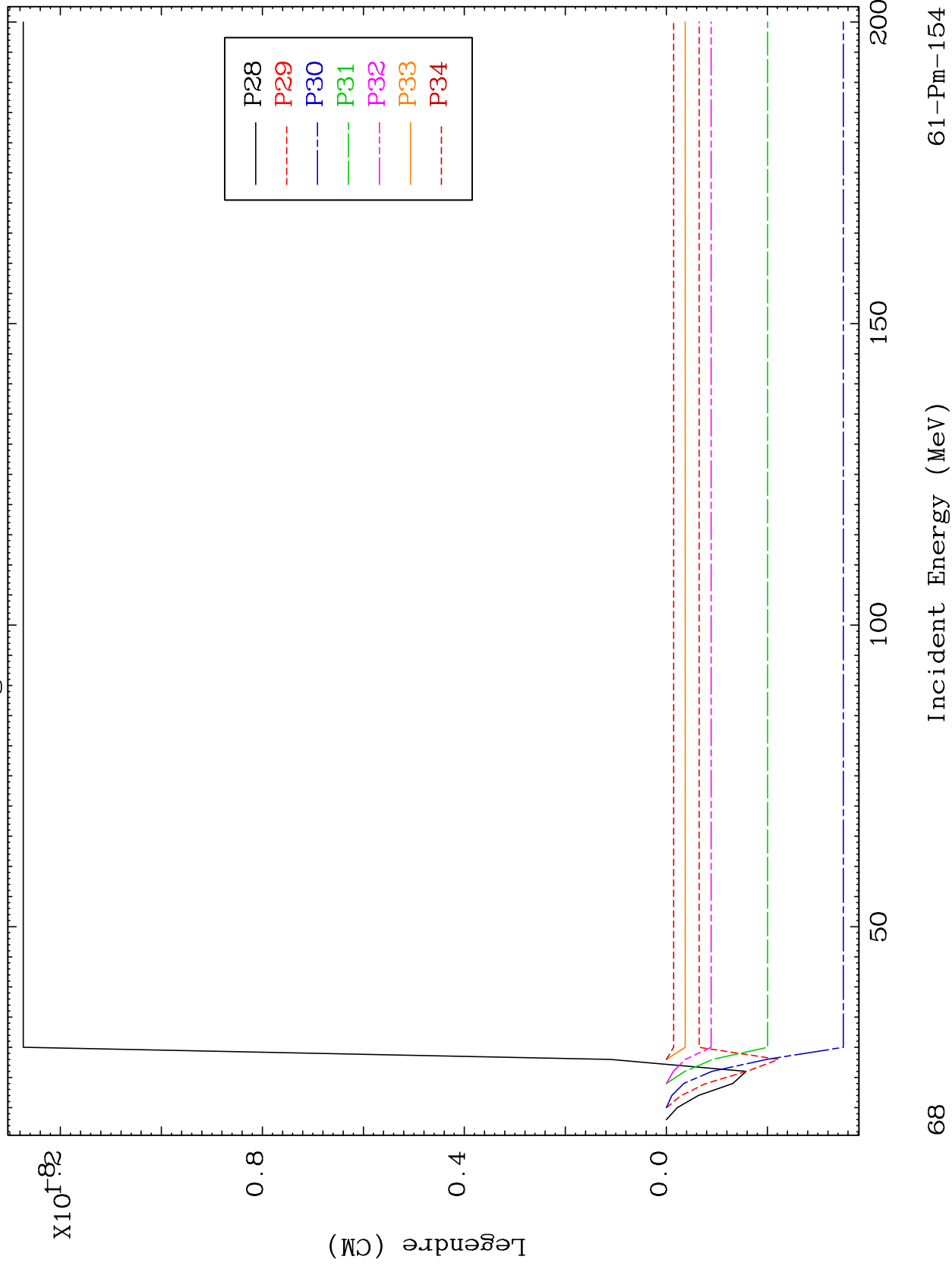
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-154



68

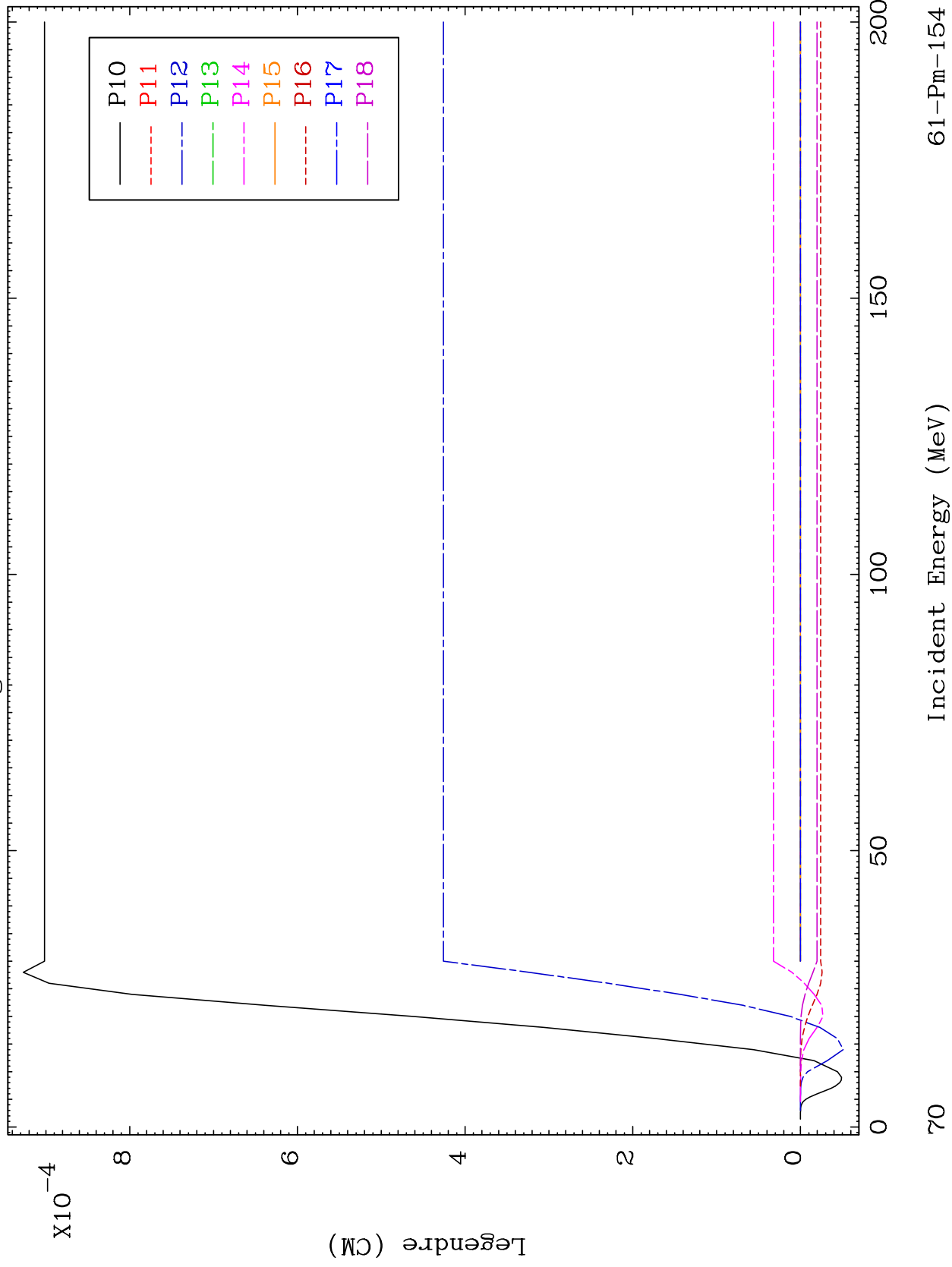
Incident Energy (MeV)

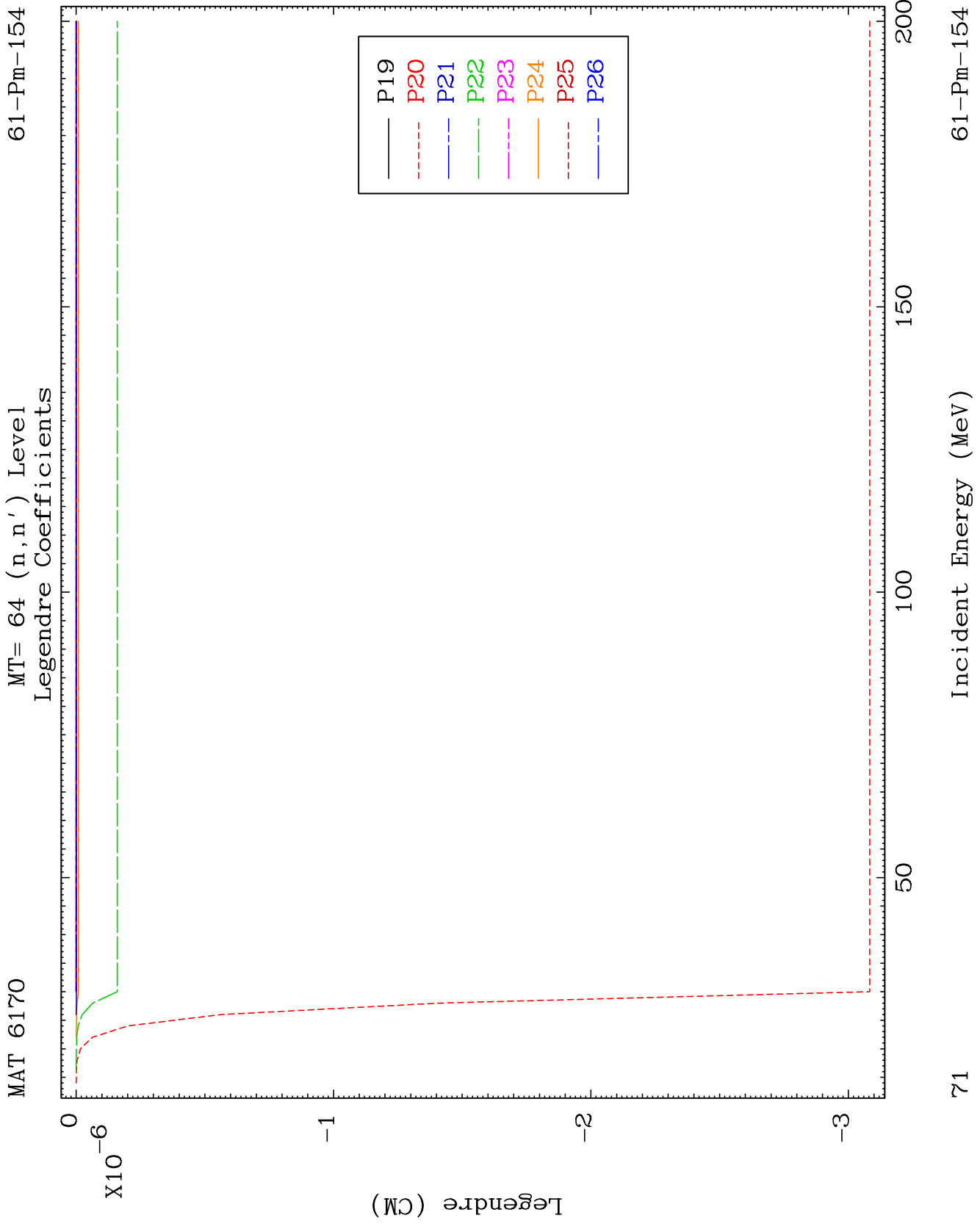
61-Pm-154

MAT 6170

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-154

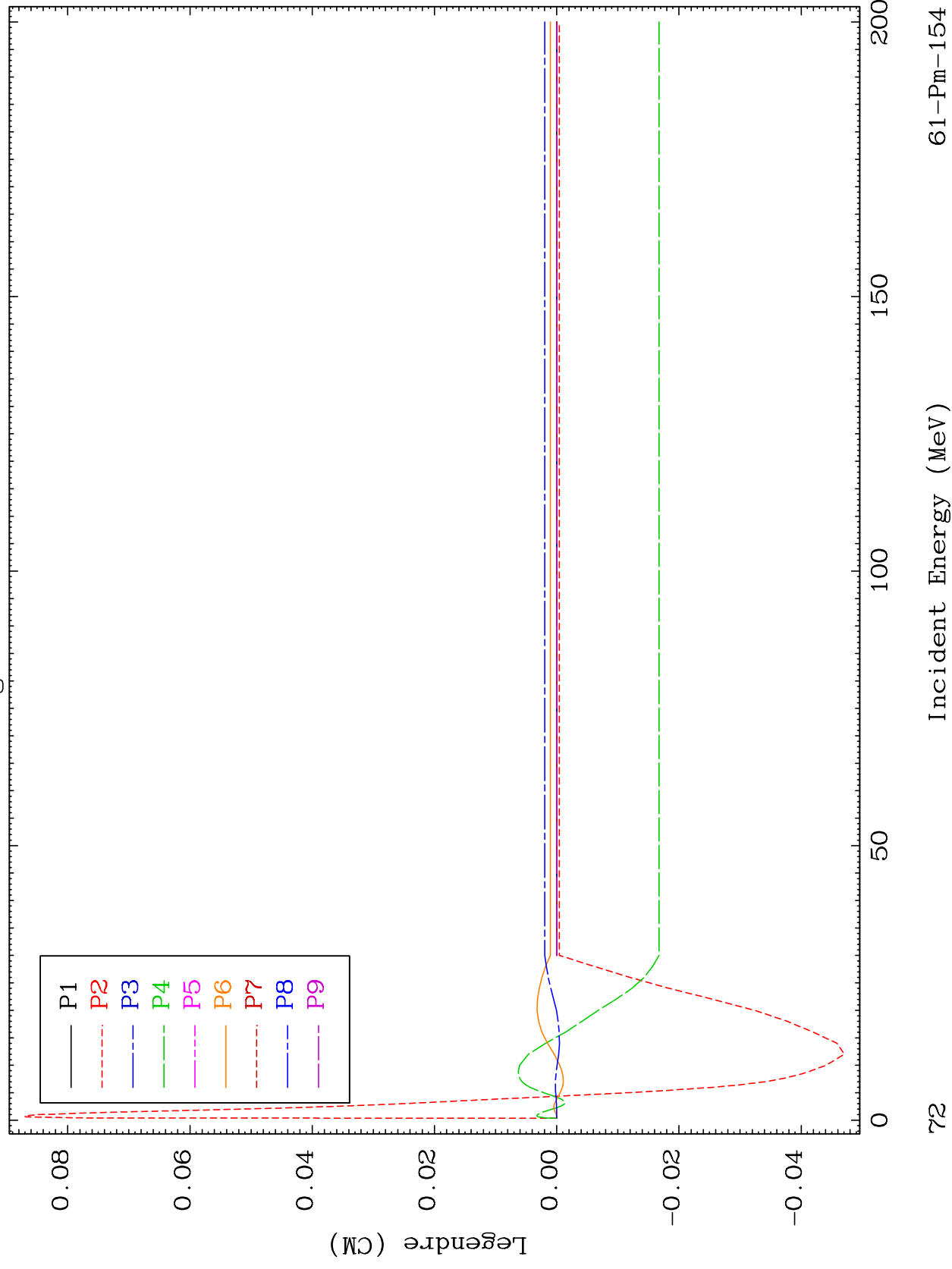




MAT 6170

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-154



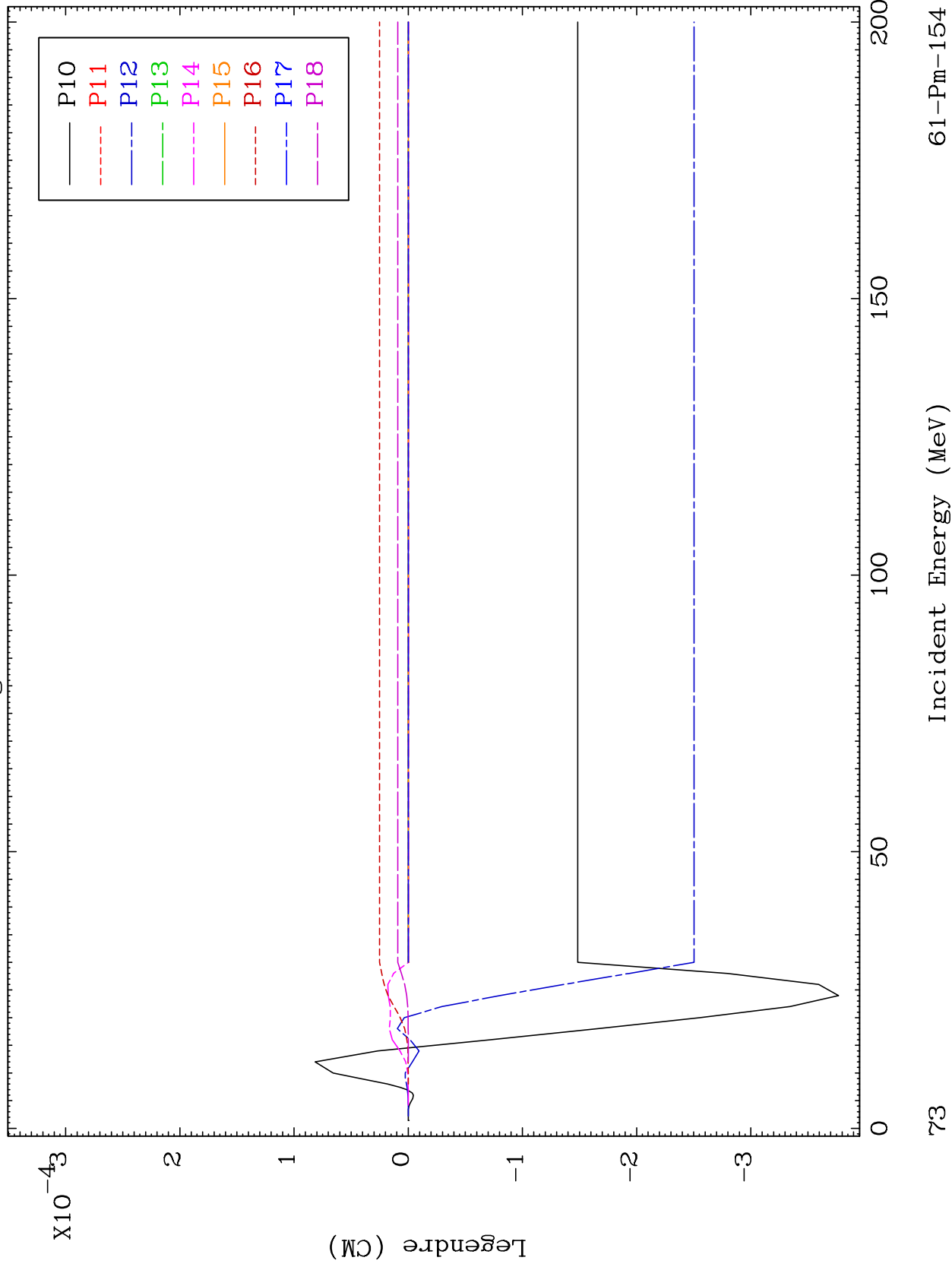
72

61-Pm-154

MAT 6170

MT= 65 (n,n') Level
Legendre Coefficients

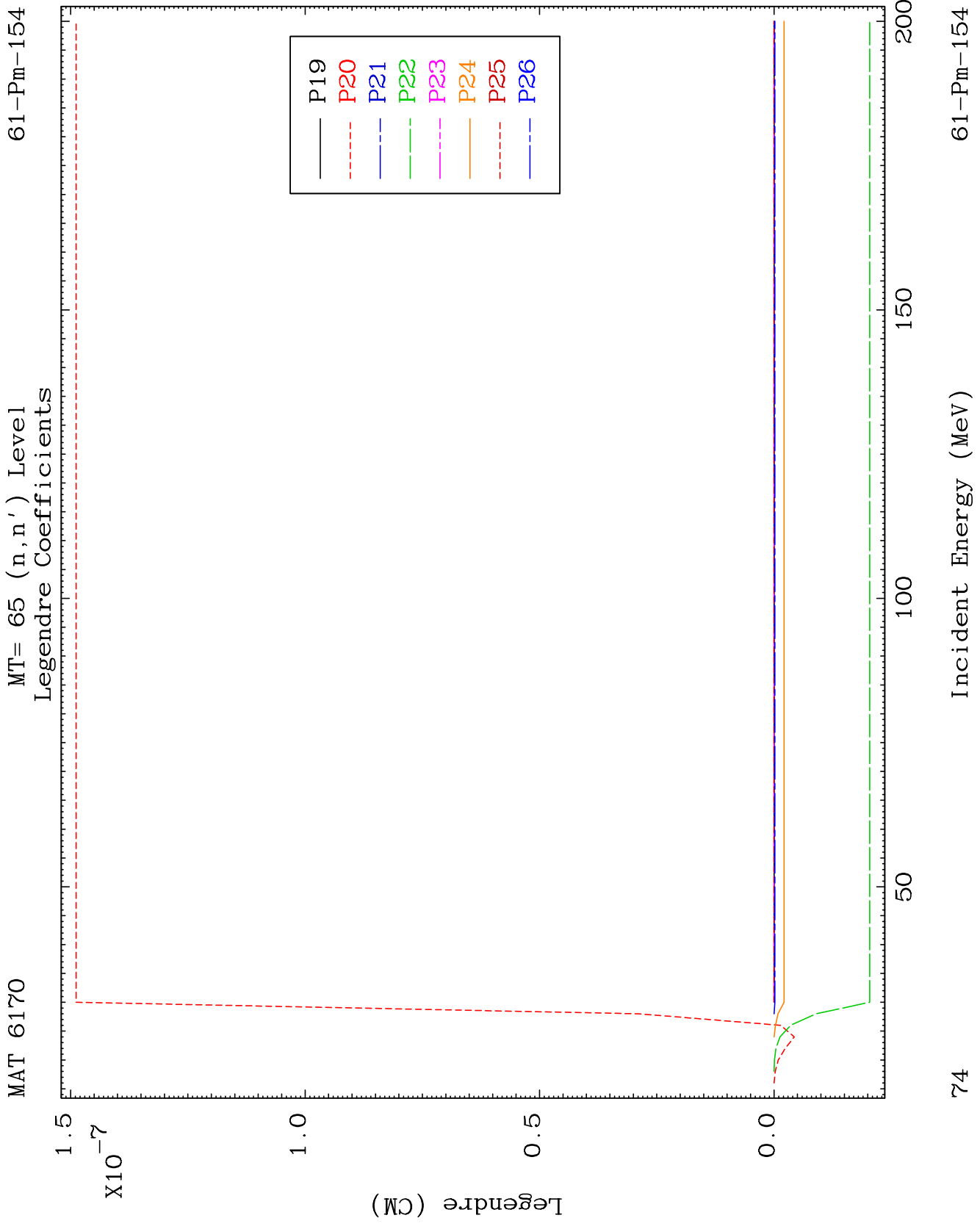
61-Pm-154

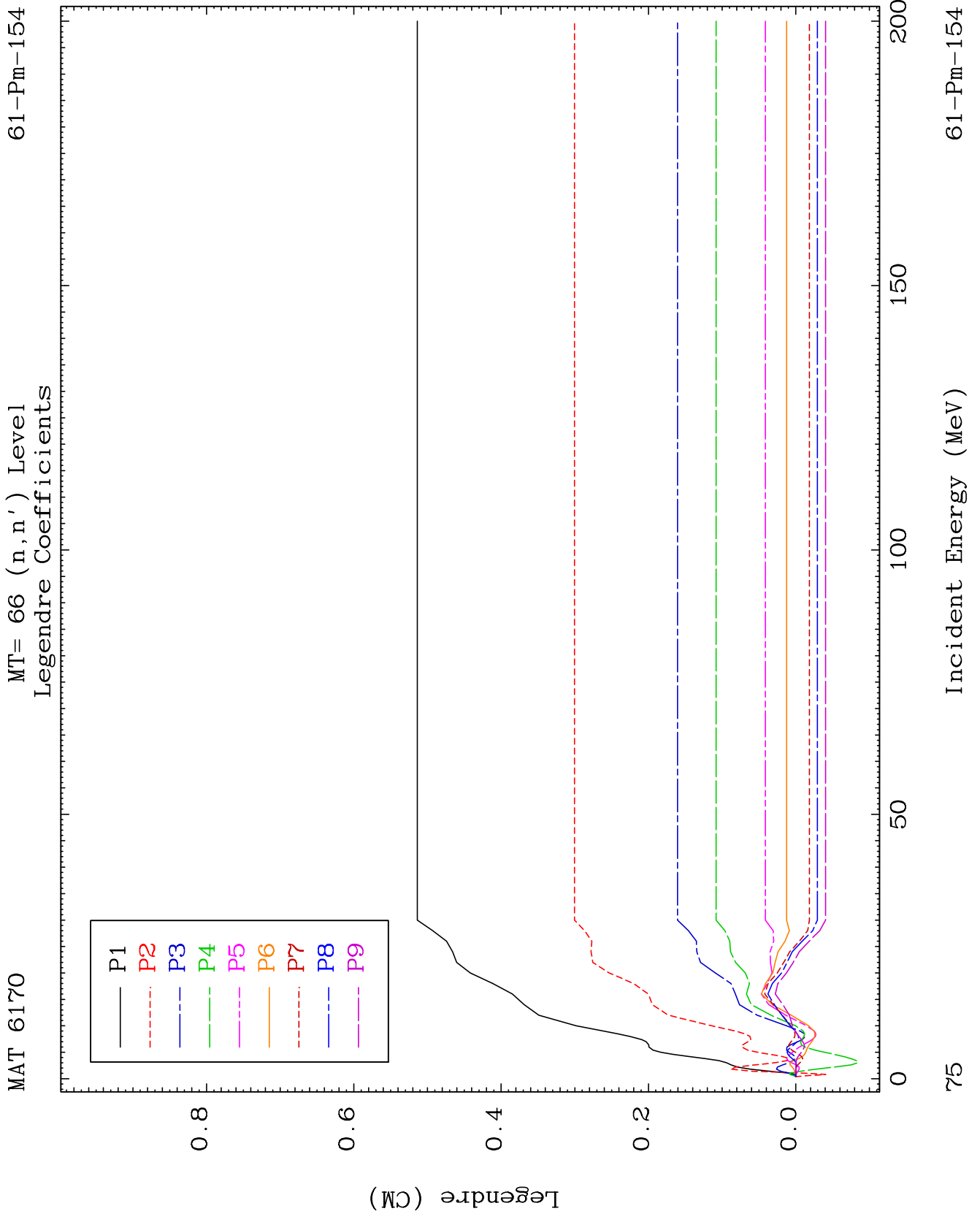


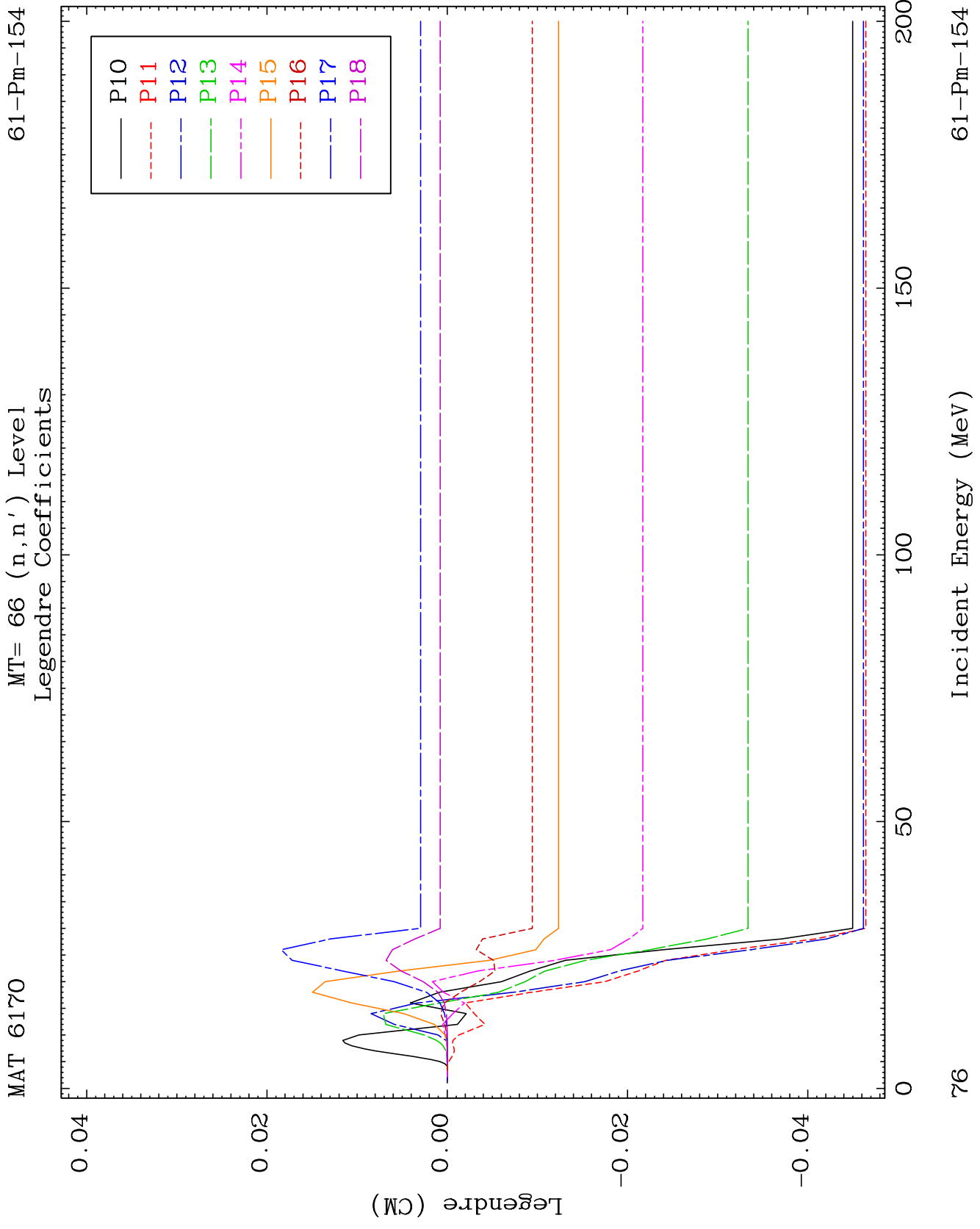
73

Incident Energy (MeV)

61-Pm-154



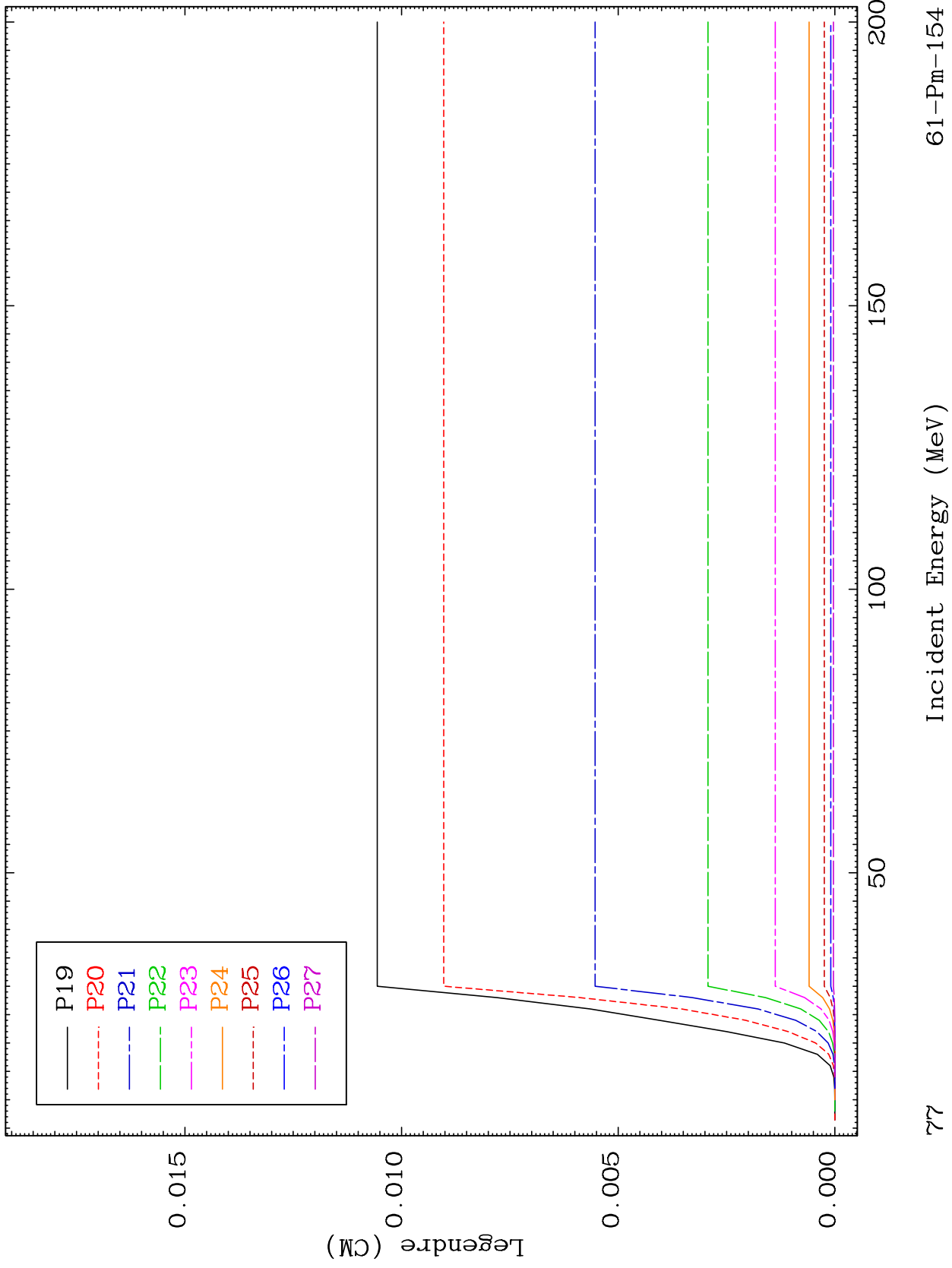




MAT 6170

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-154



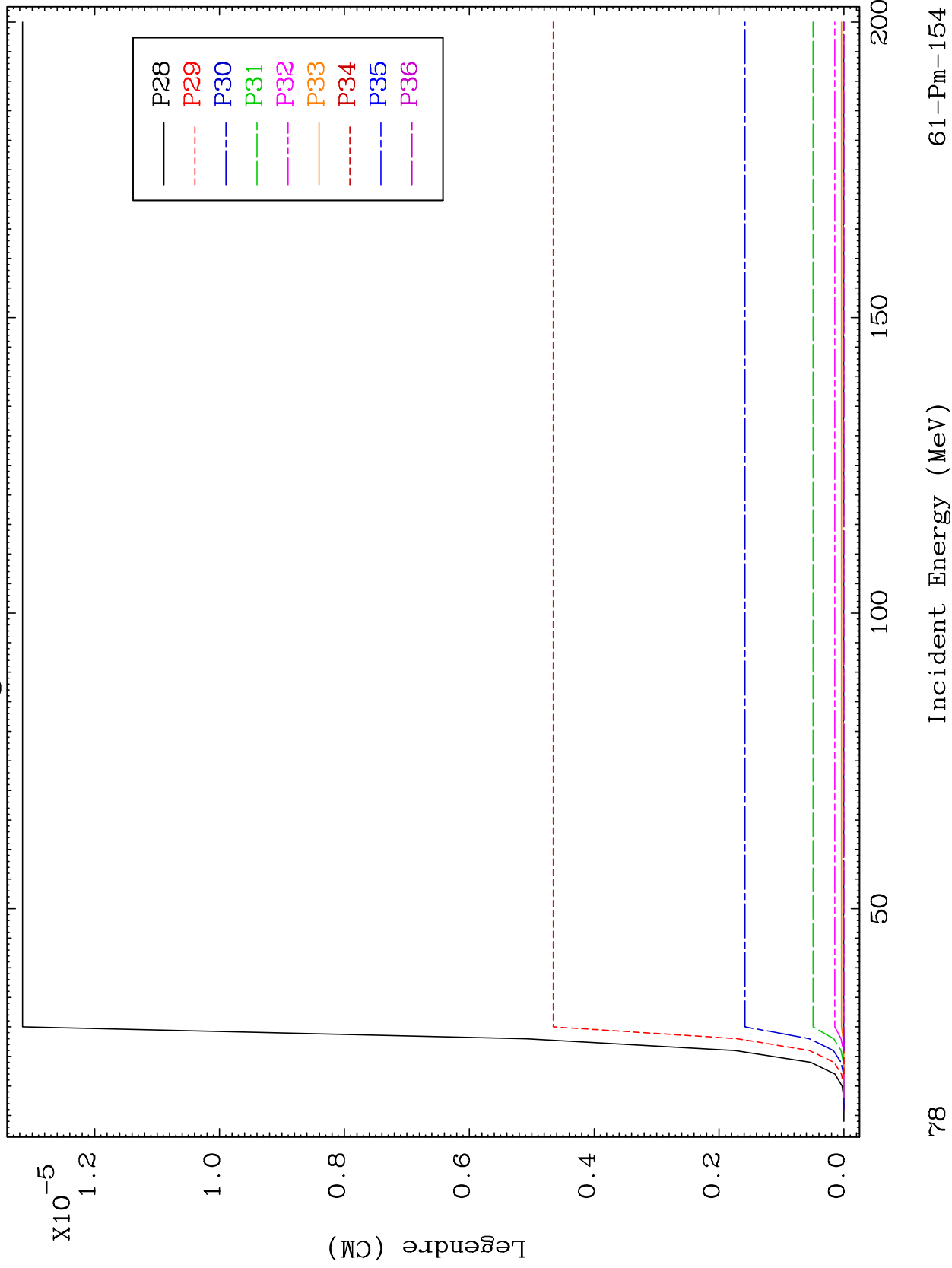
77

61-Pm-154

MAT 6170

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-154



78

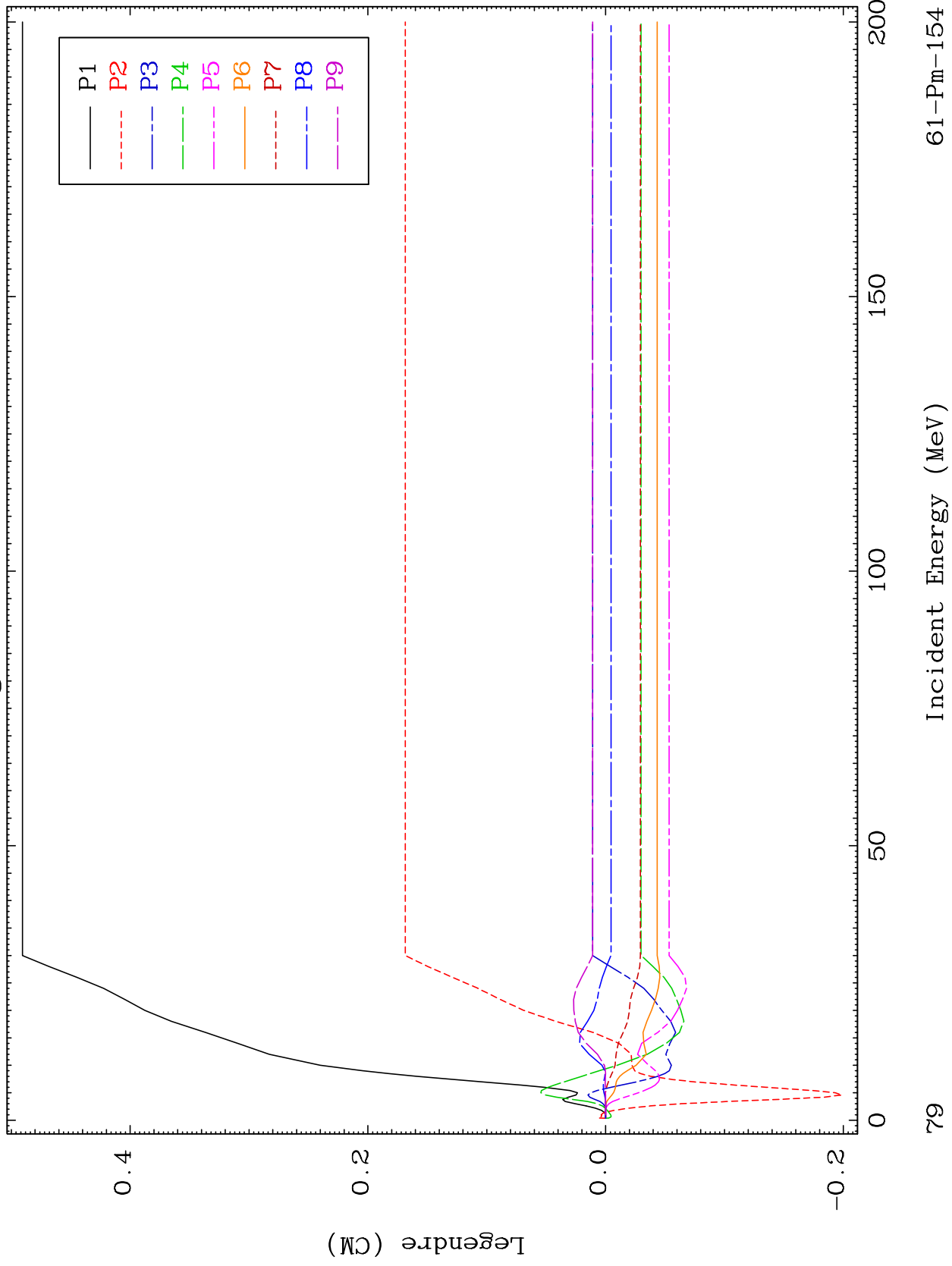
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 67 (n,n') Level
Legendre Coefficients

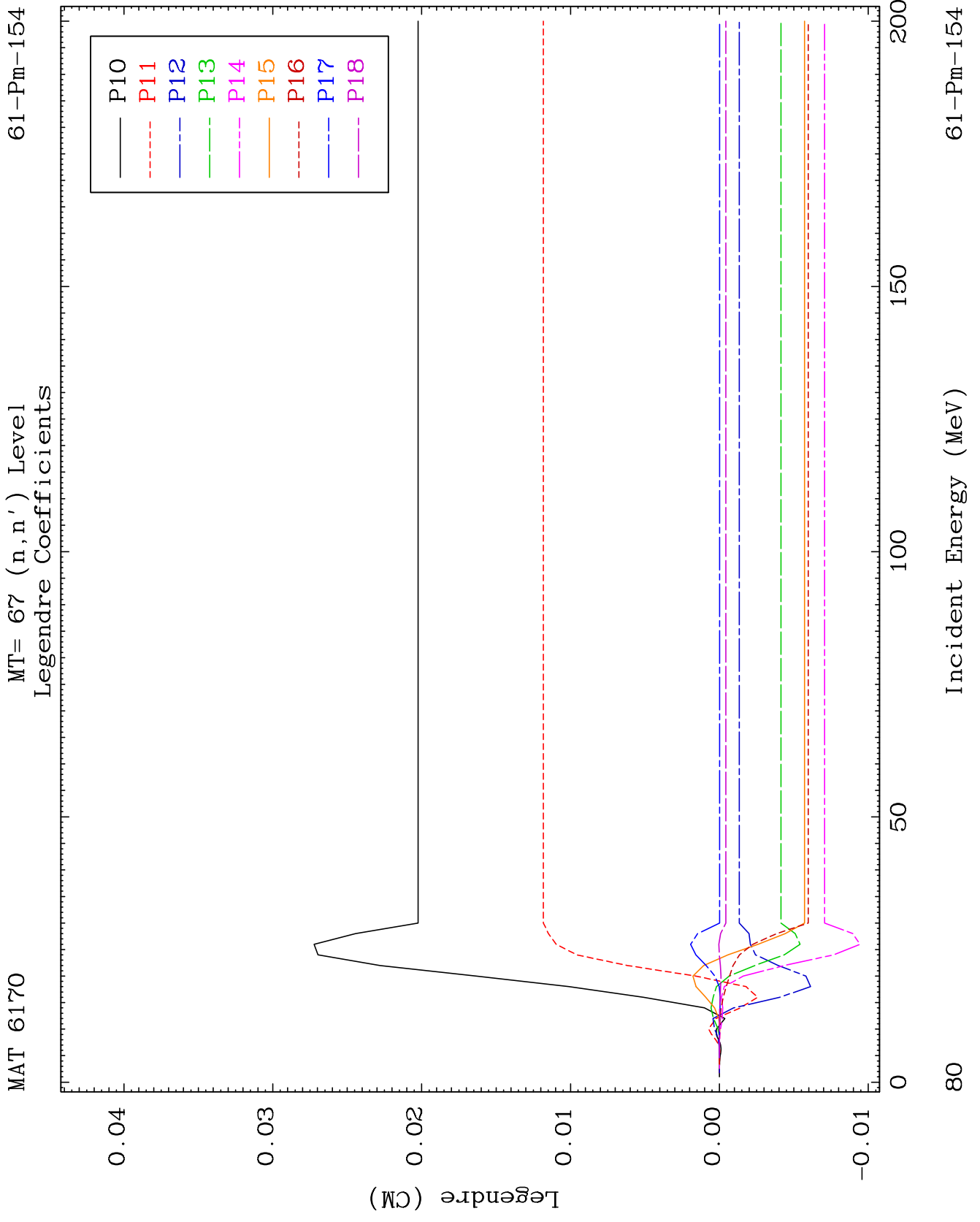
61-Pm-154



61-Pm-154

Incident Energy (MeV)

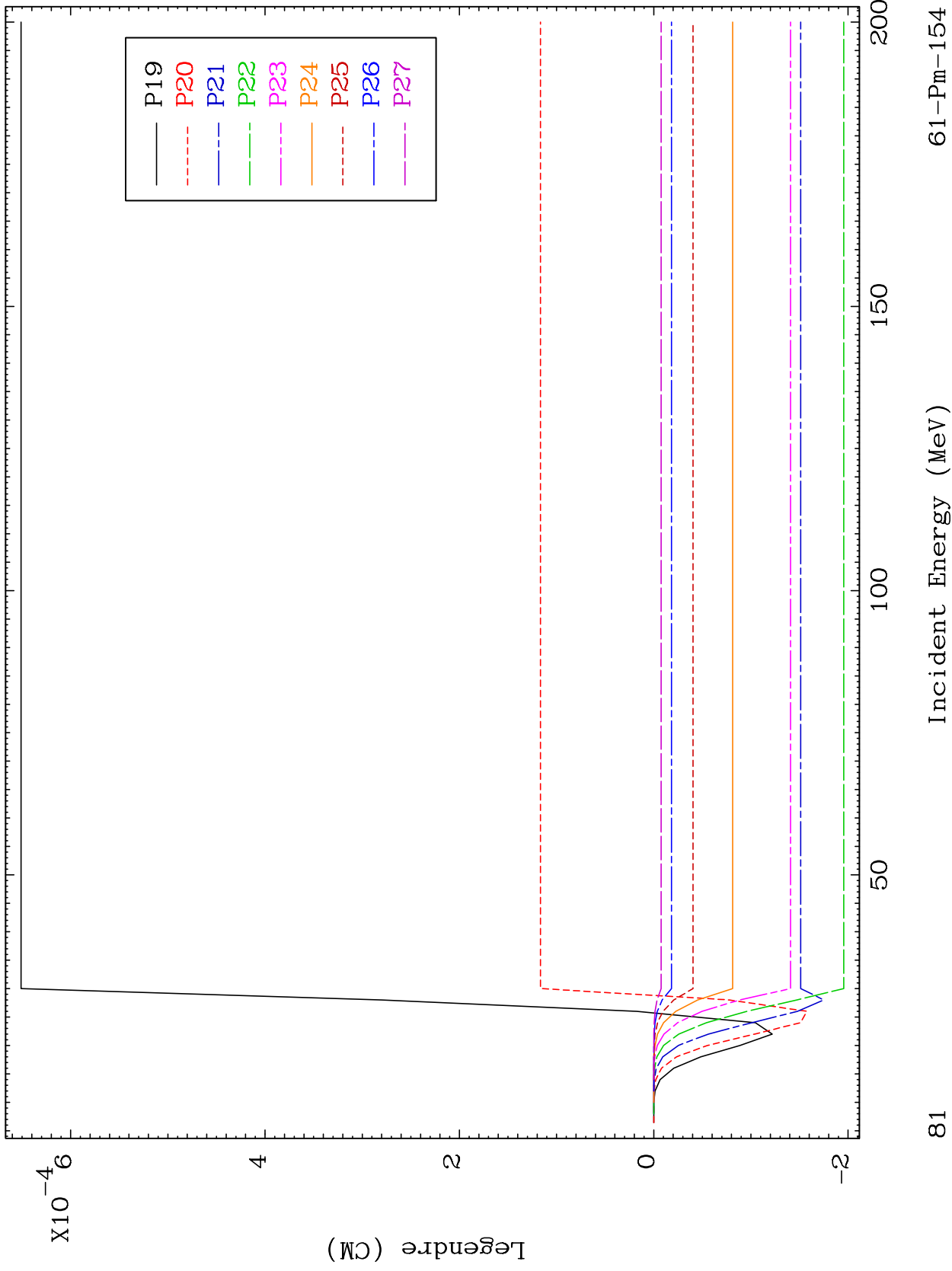
79

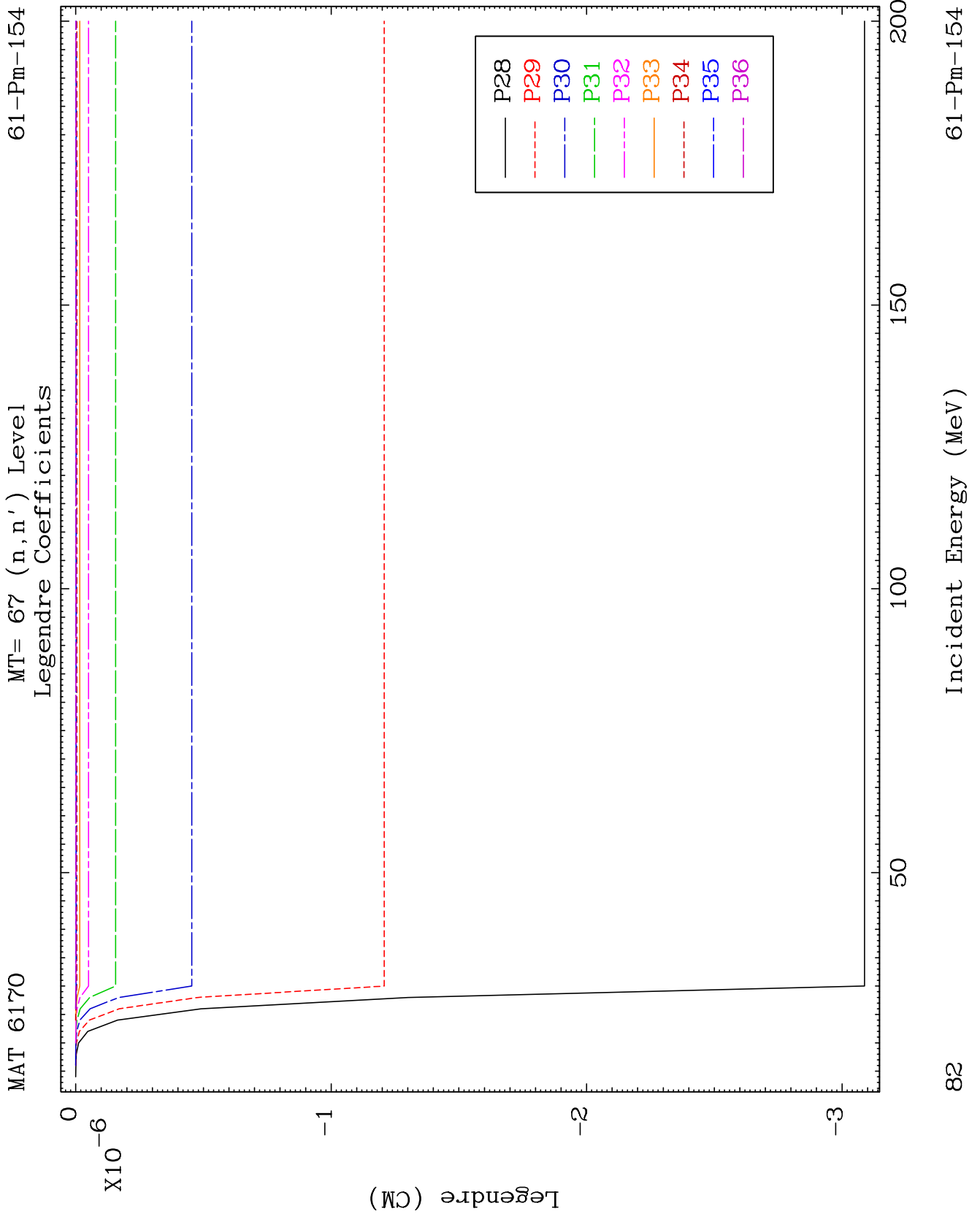


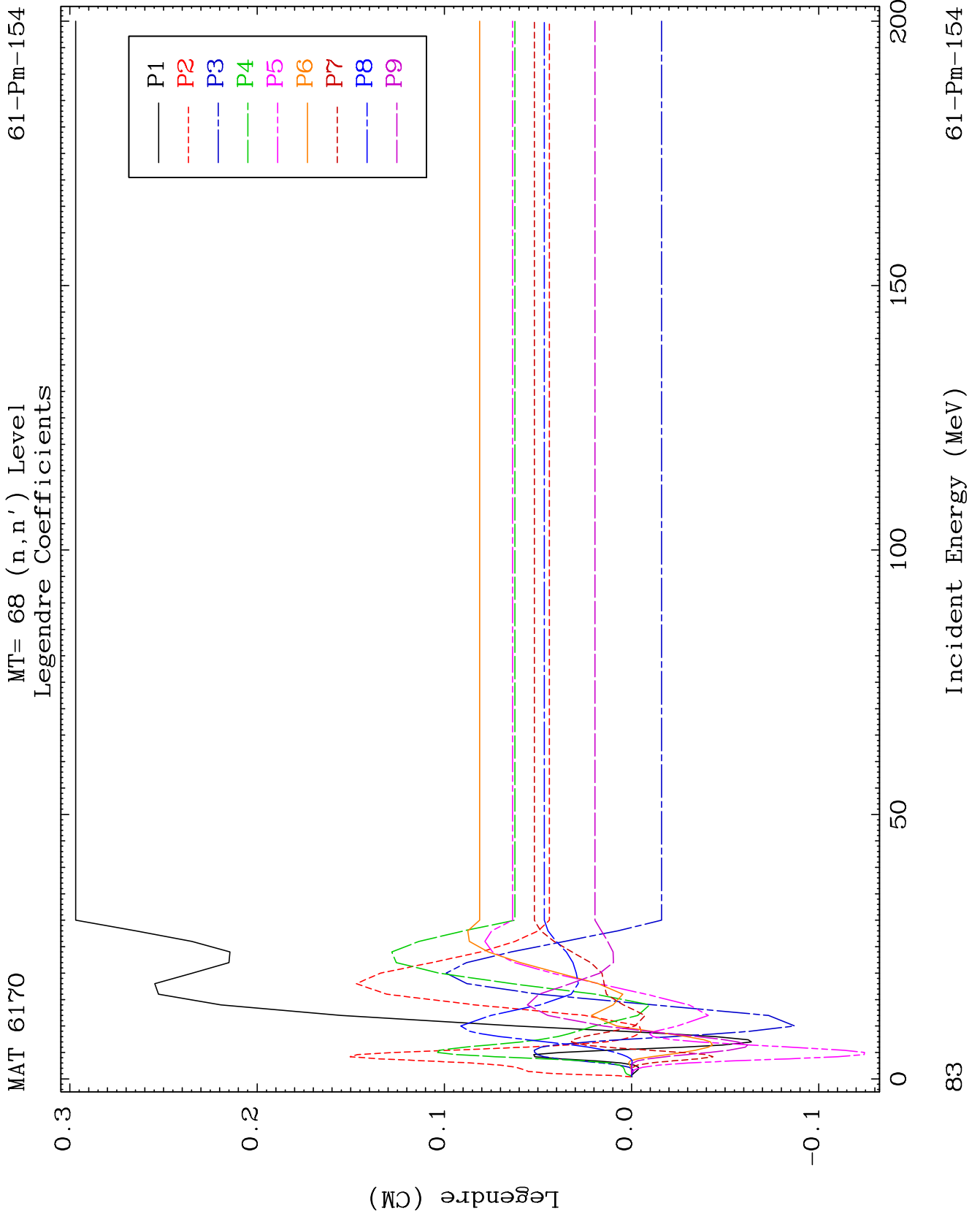
MAT 6170

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-154



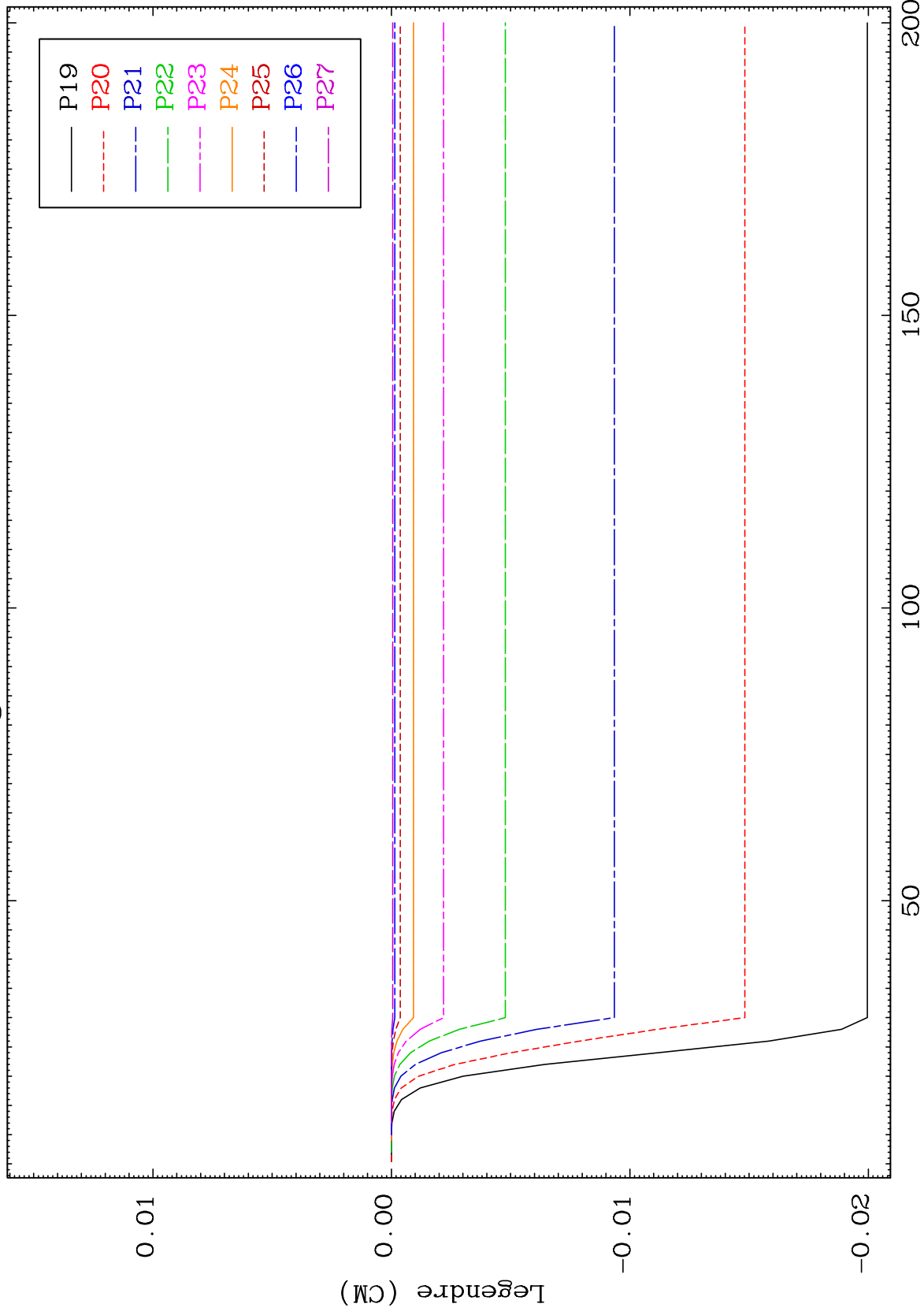




MAT 6170

MT= 68 (n,n') Level
Legendre Coefficients

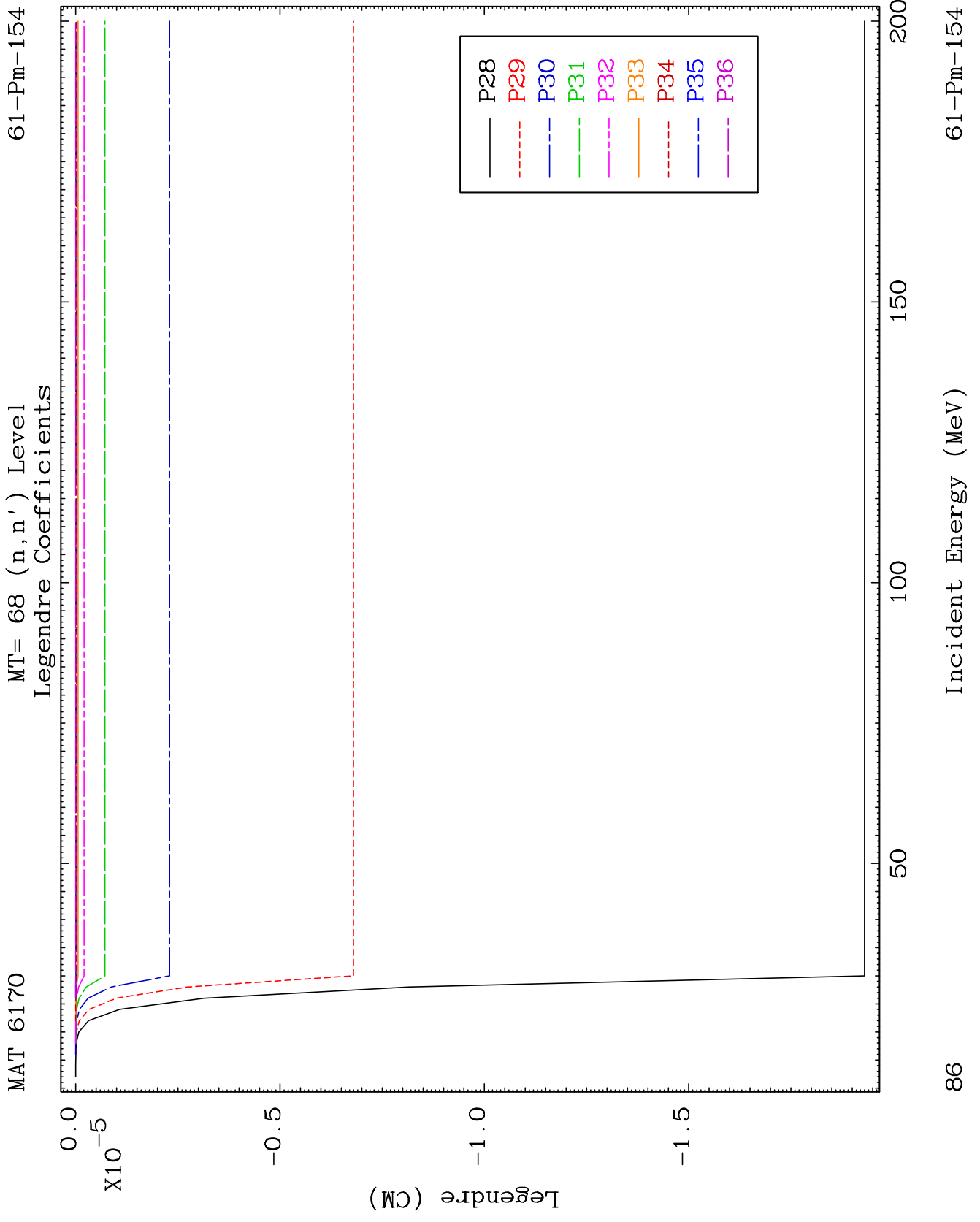
61-Pm-154



85

Incident Energy (MeV)

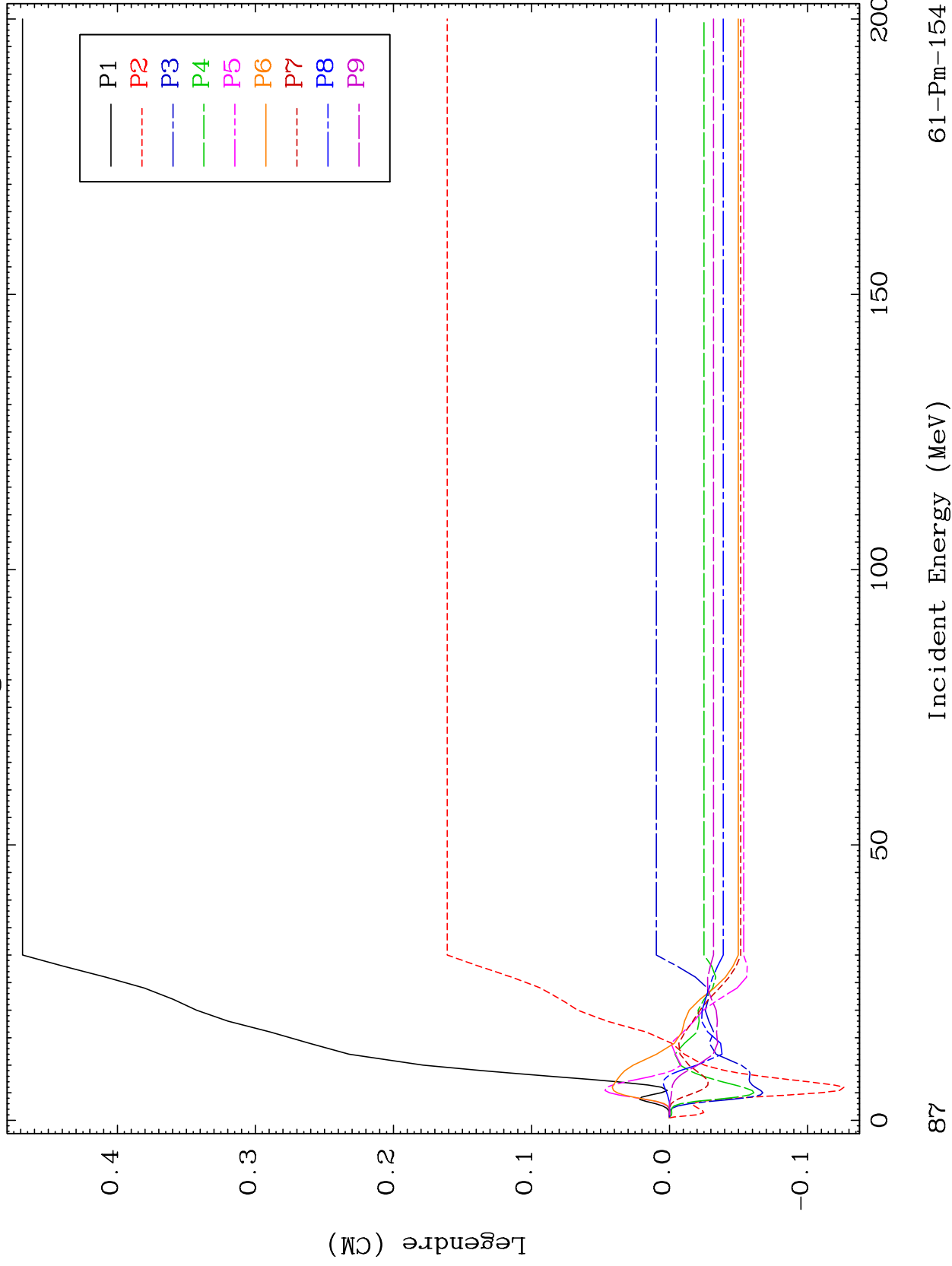
61-Pm-154



MAT 6170

MT= 69 (n,n') Level
Legendre Coefficients

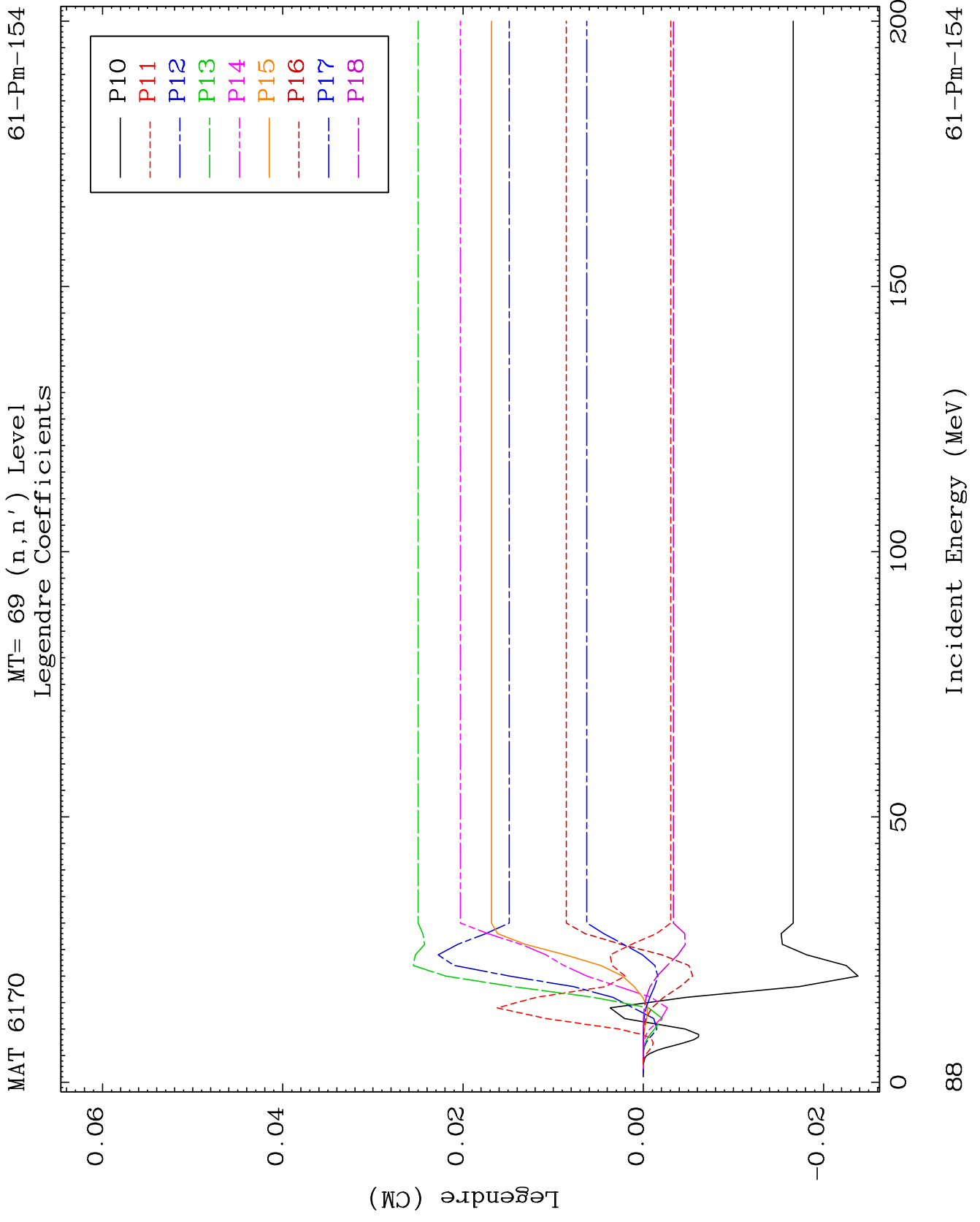
61-Pm-154



61-Pm-154

Incident Energy (MeV)

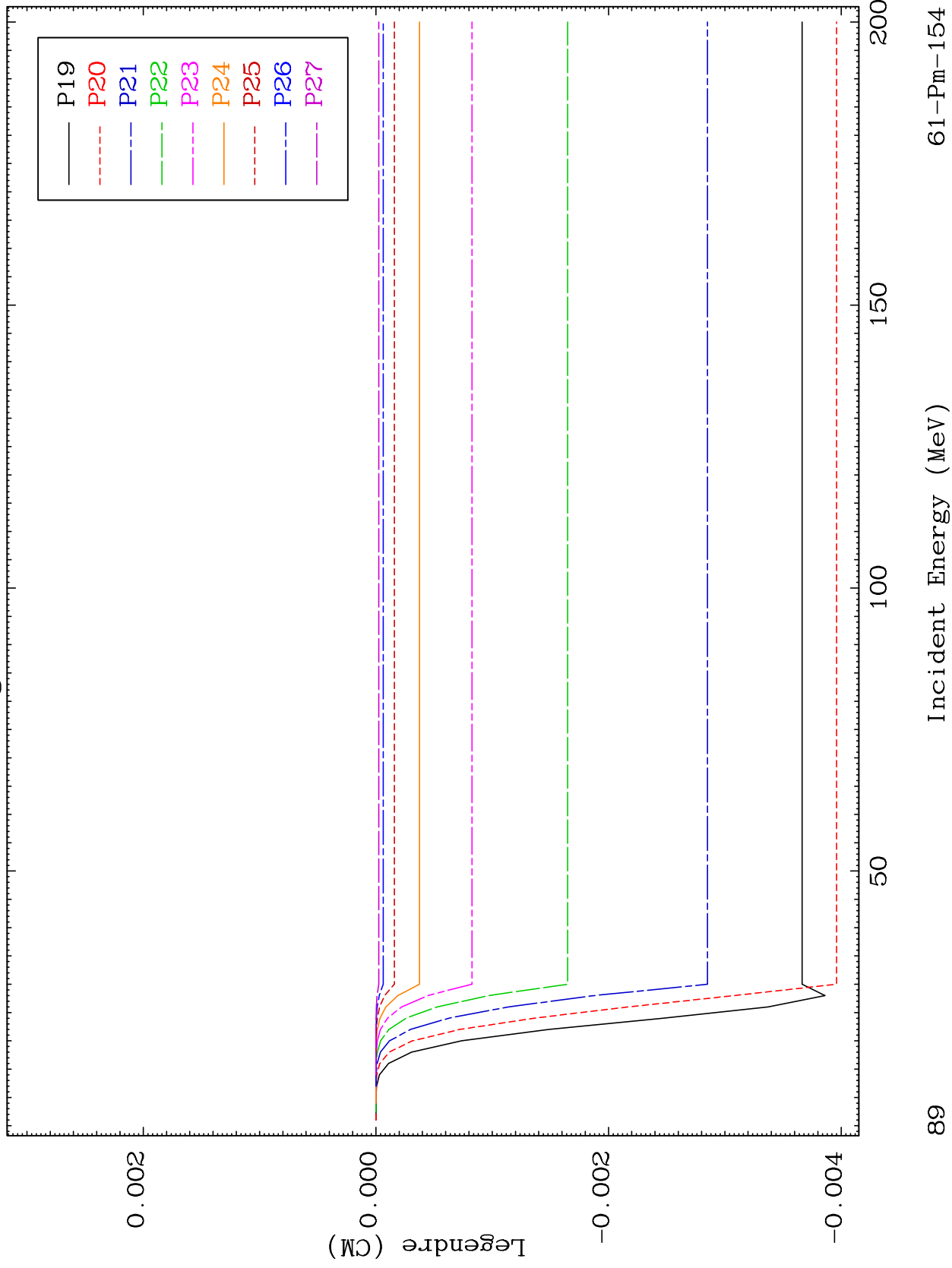
87



MAT 6170

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-154



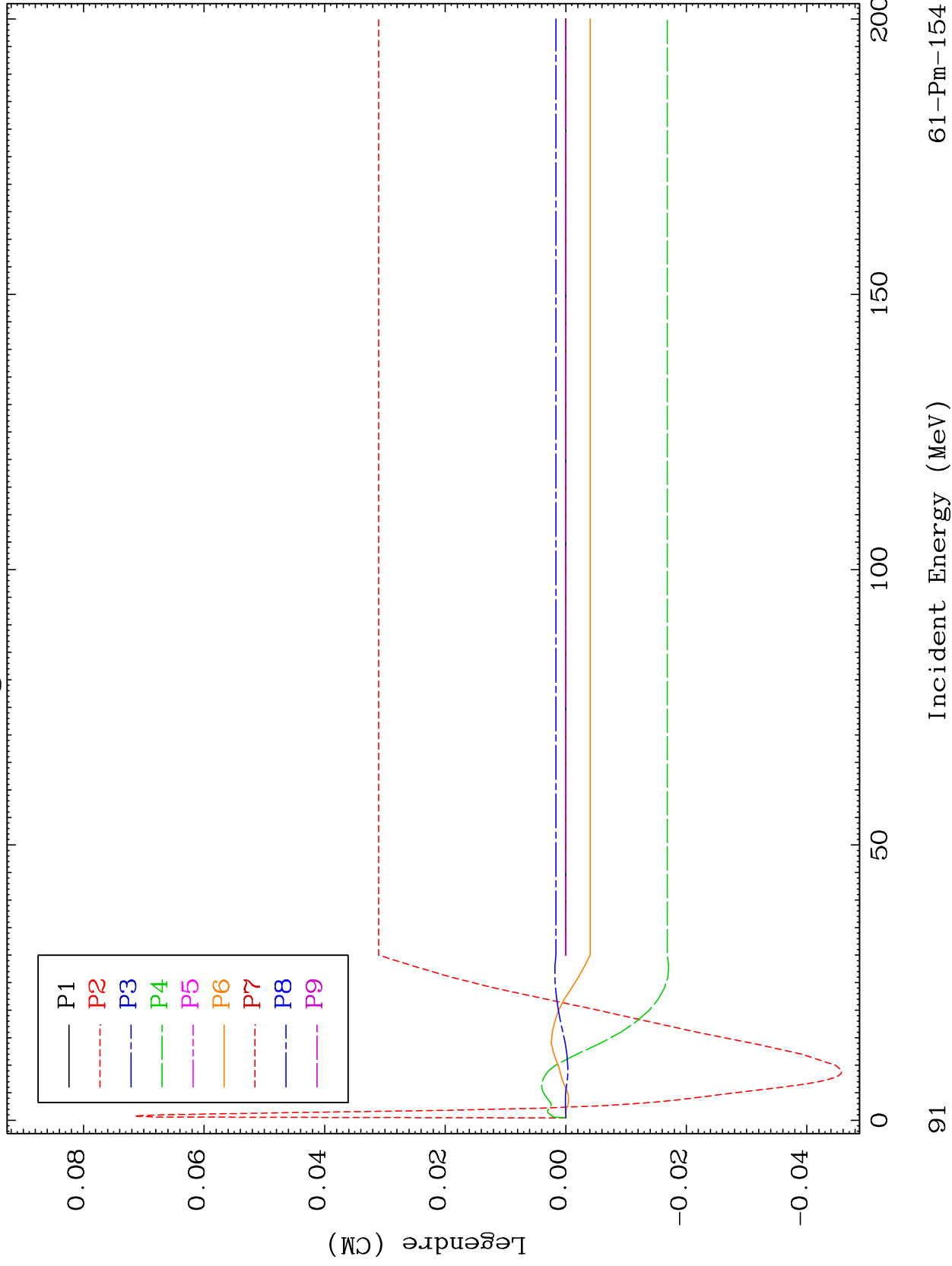
89

61-Pm-154

MAT 6170

MT= 70 (n,n') Level
Legendre Coefficients

61-Pm-154



91

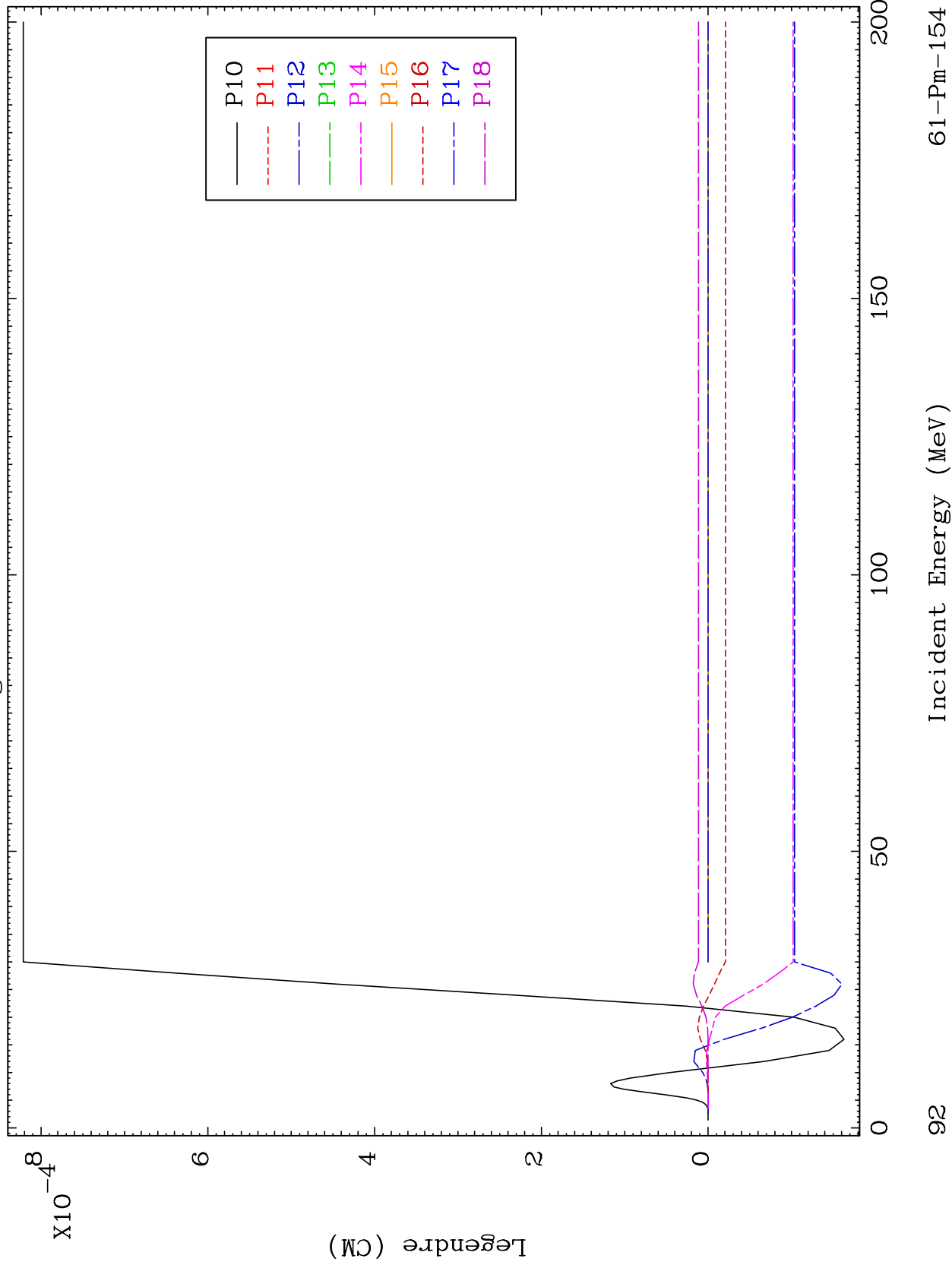
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 70 (n,n') Level
Legendre Coefficients

61-Pm-154



92

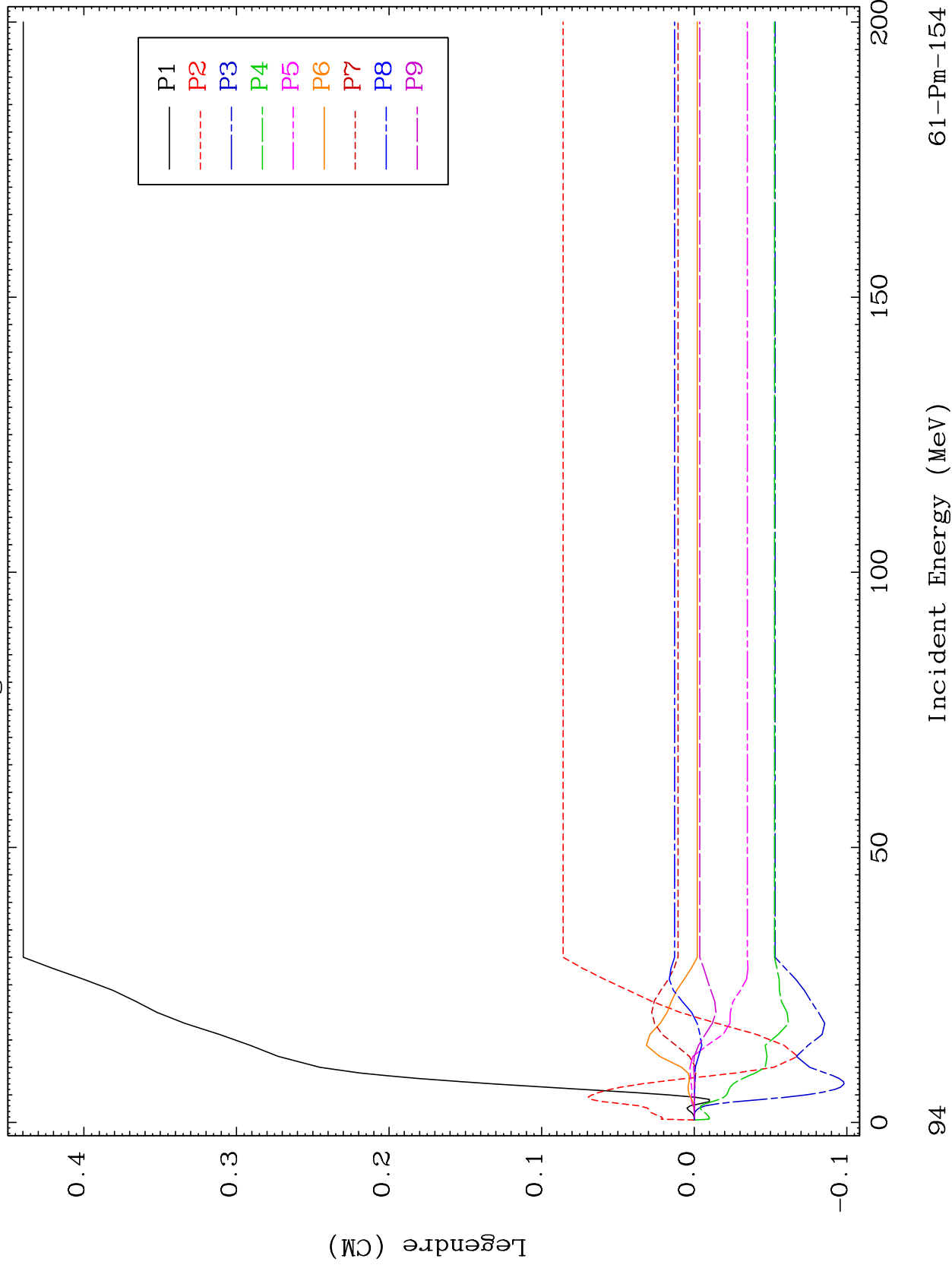
Incident Energy (MeV)

61-Pm-154

MAT 6170

MT= 71 (n,n') Level
Legendre Coefficients

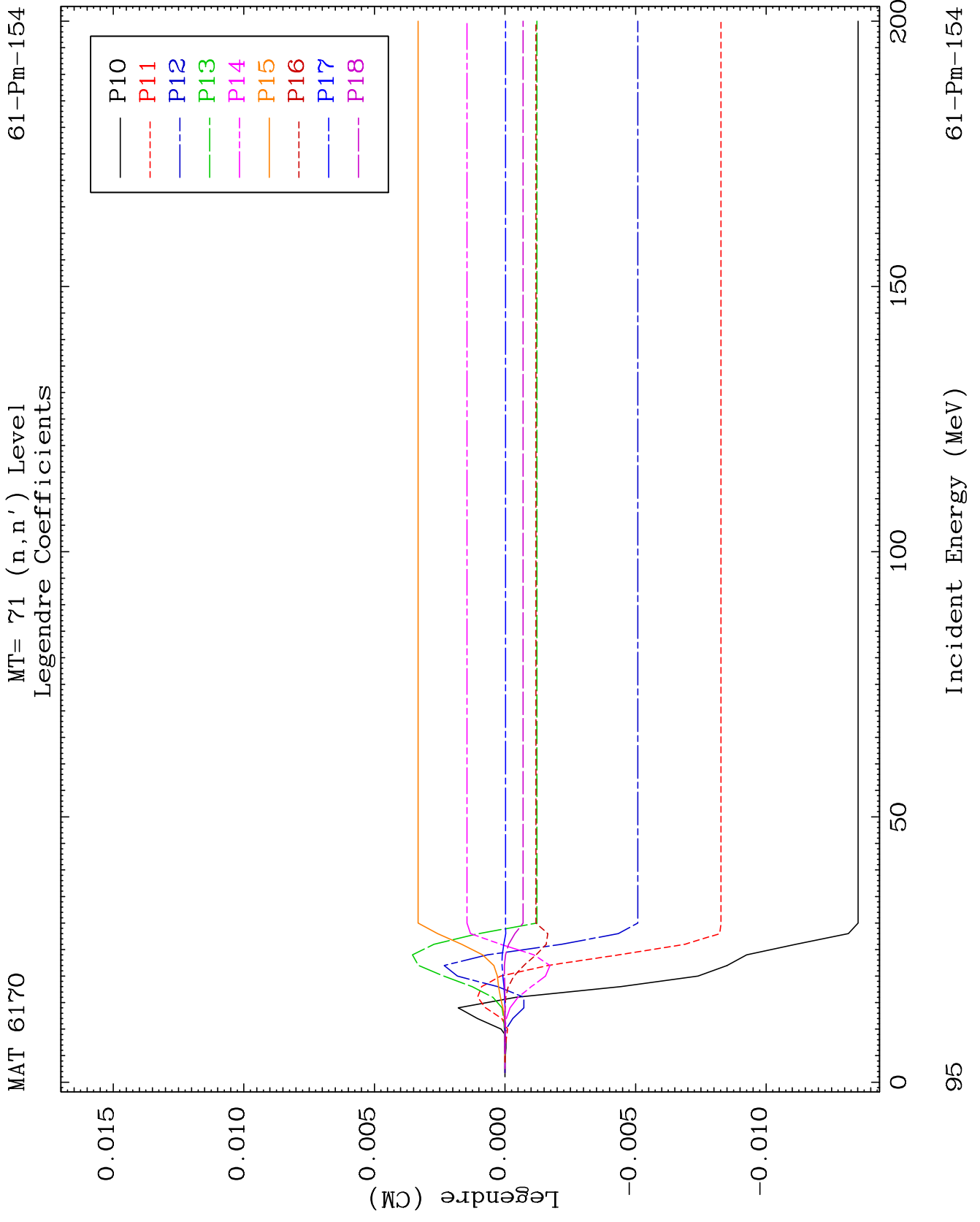
61-Pm-154

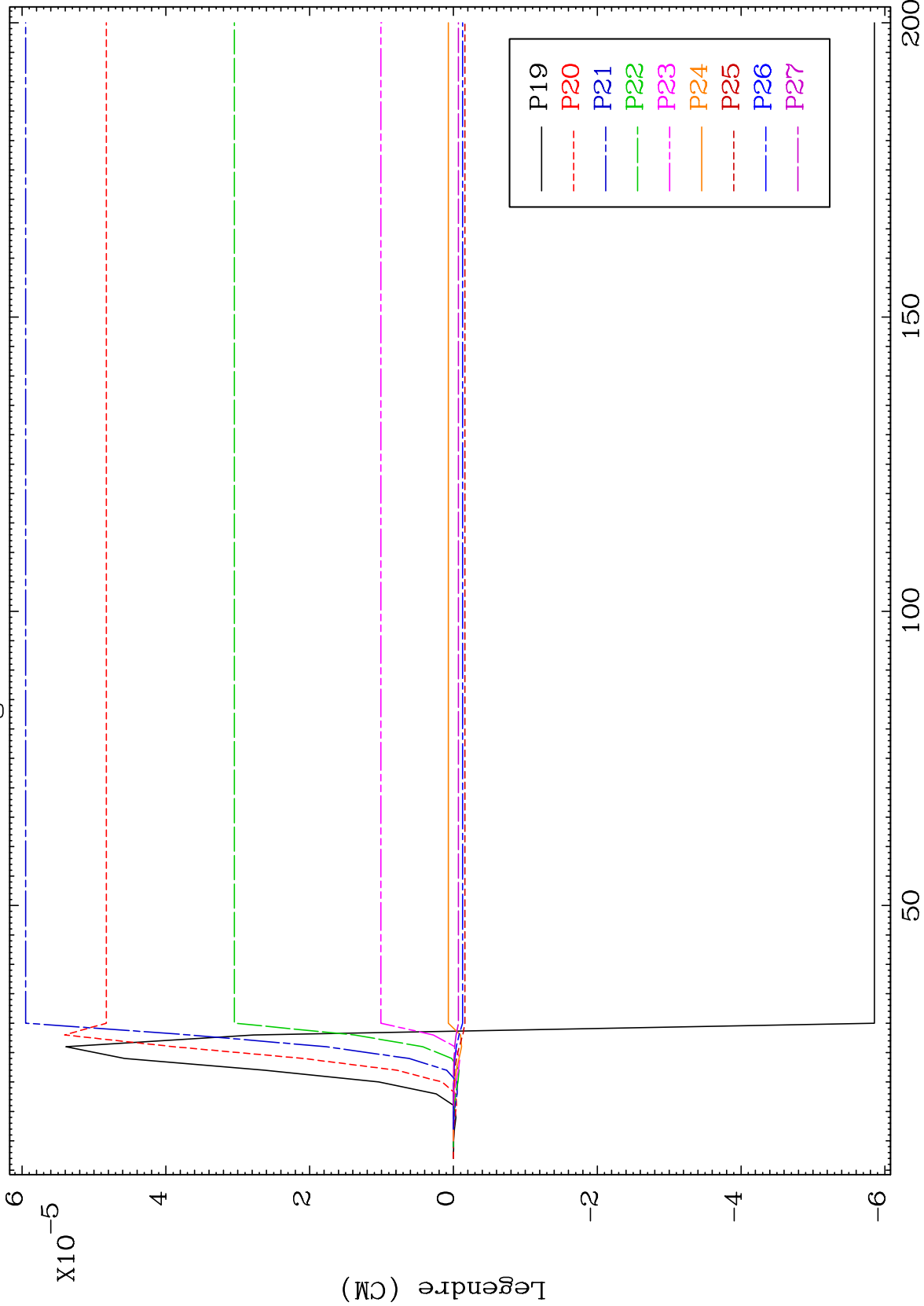


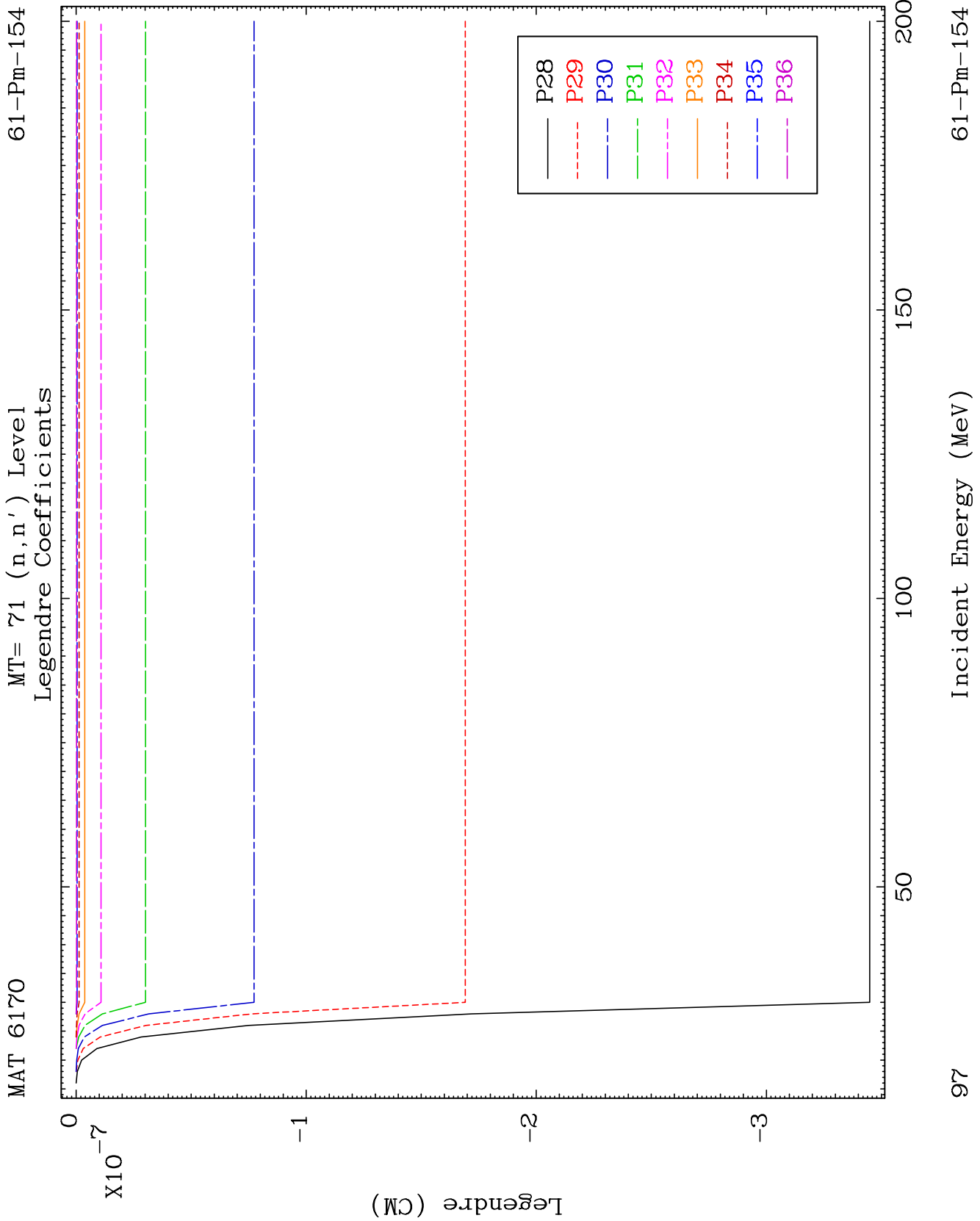
94

Incident Energy (MeV)

61-Pm-154



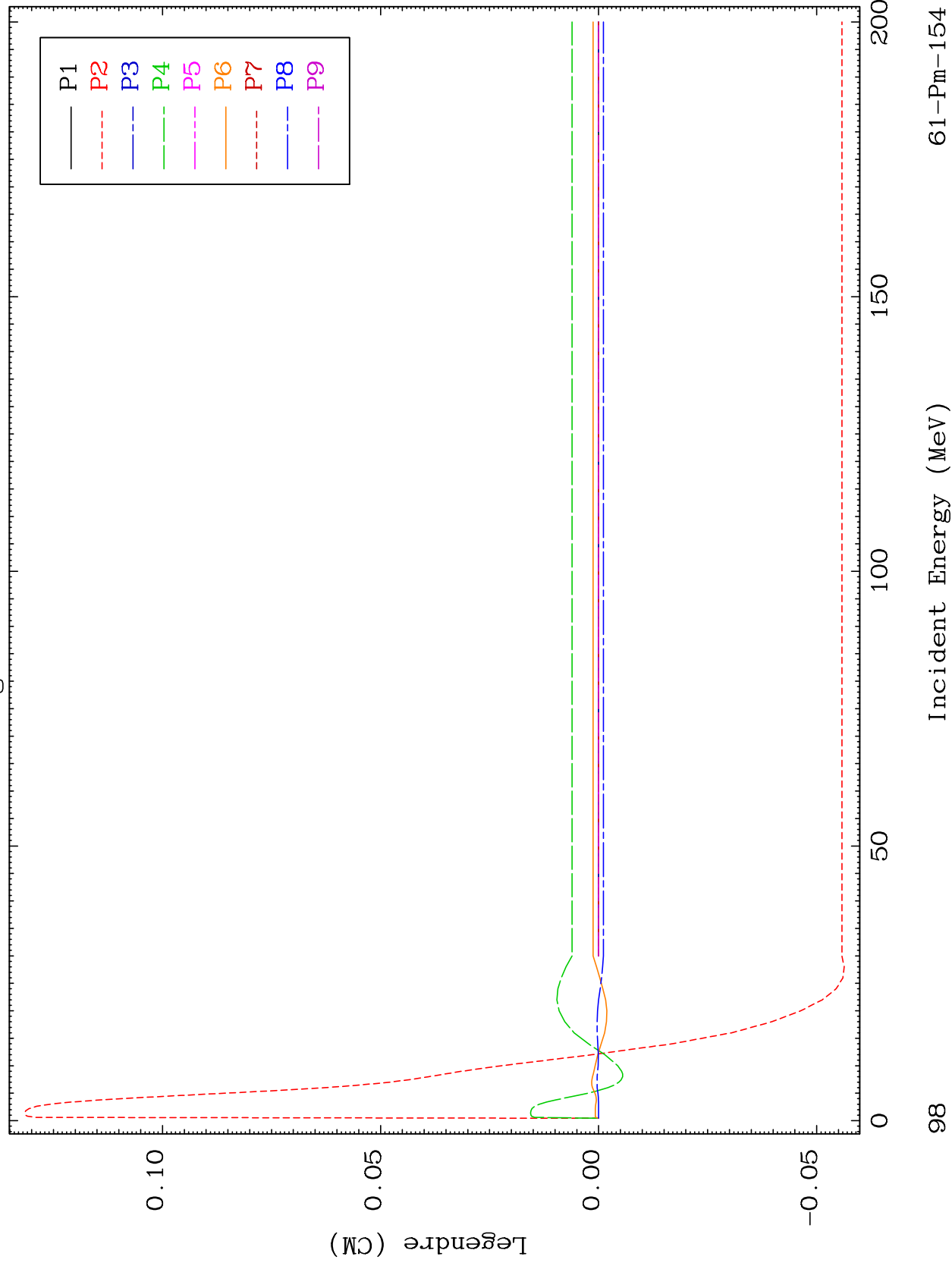




MAT 6170

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-154

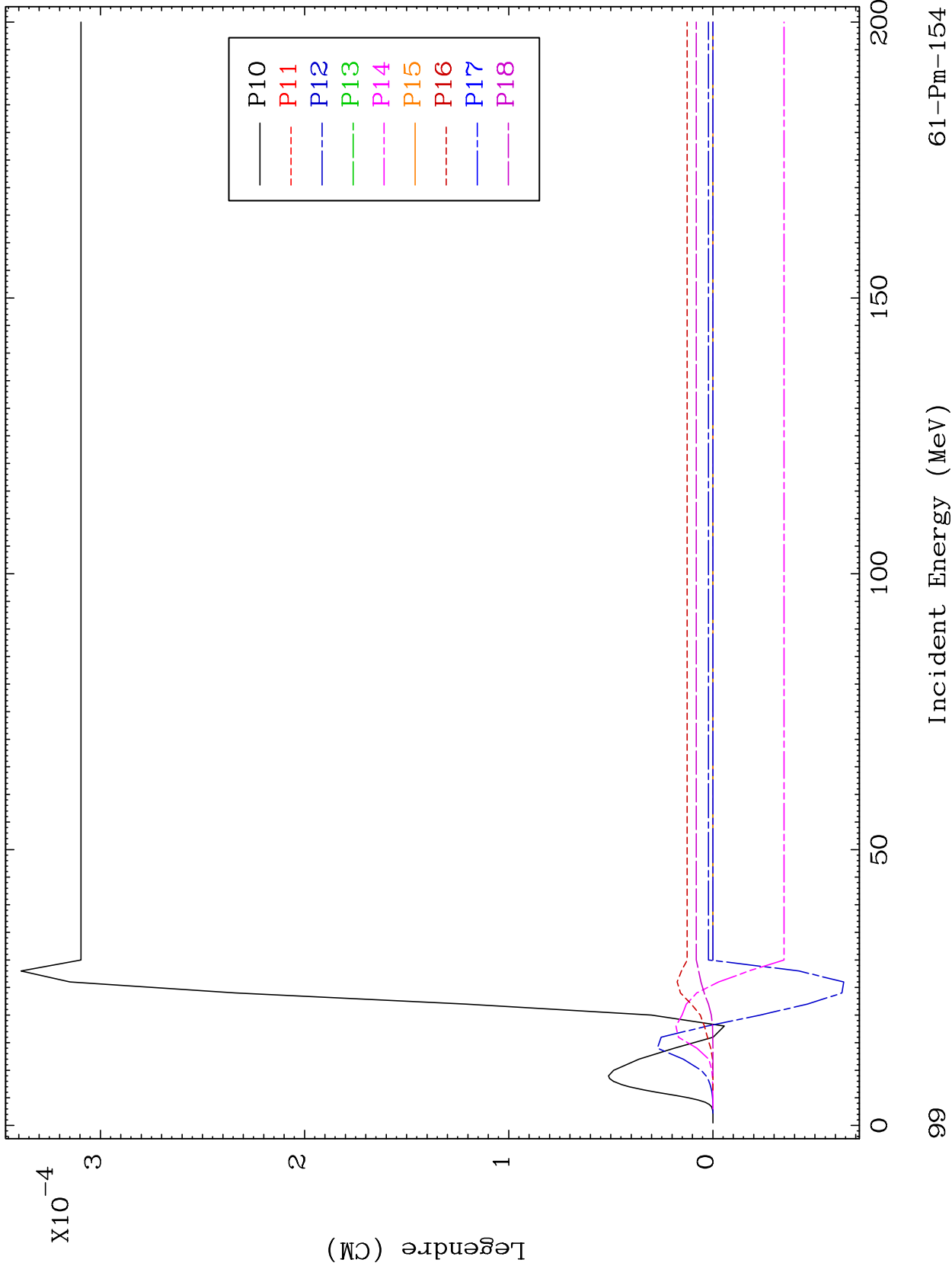


98

MAT 6170

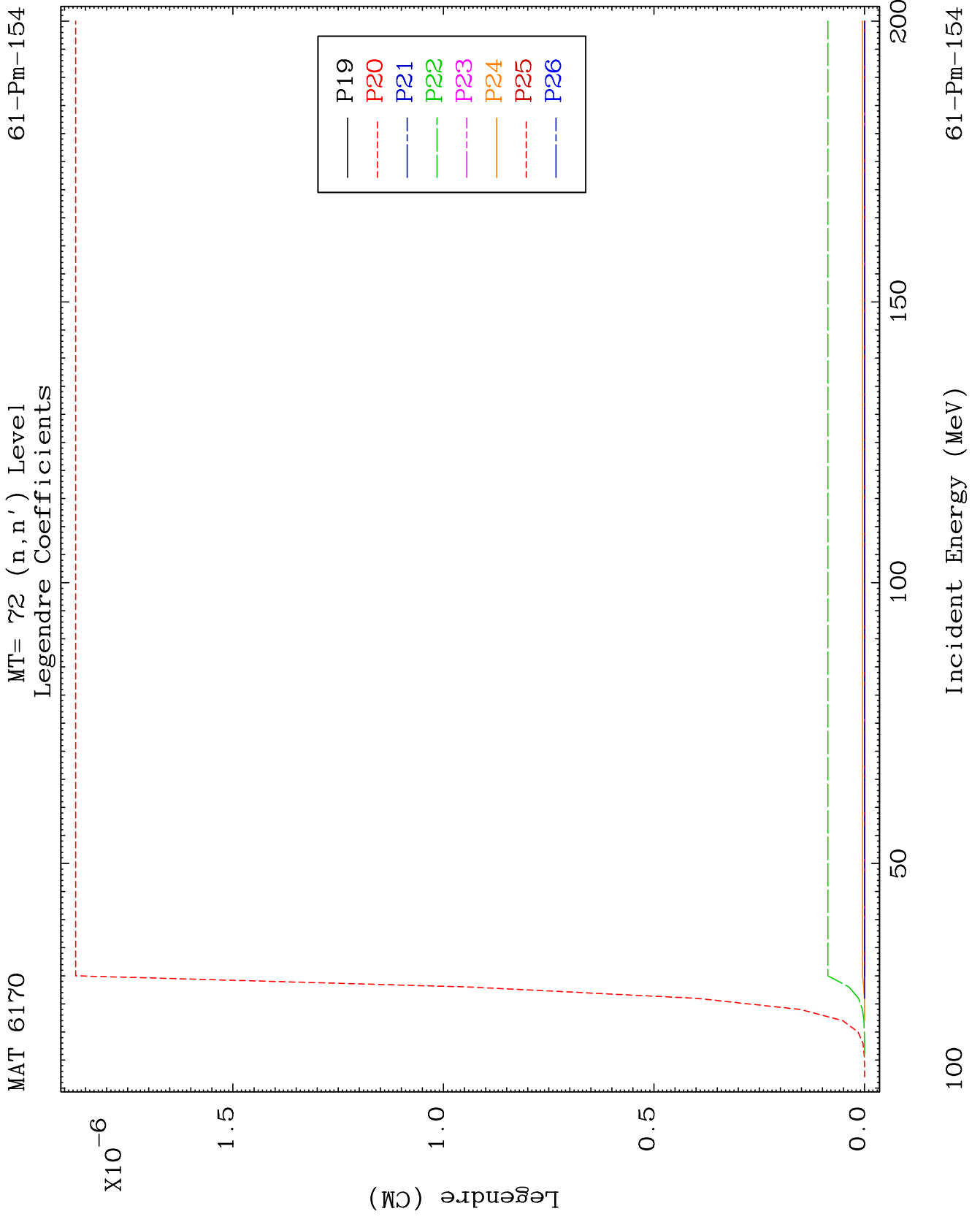
MT= 72 (n,n') Level
Legendre Coefficients

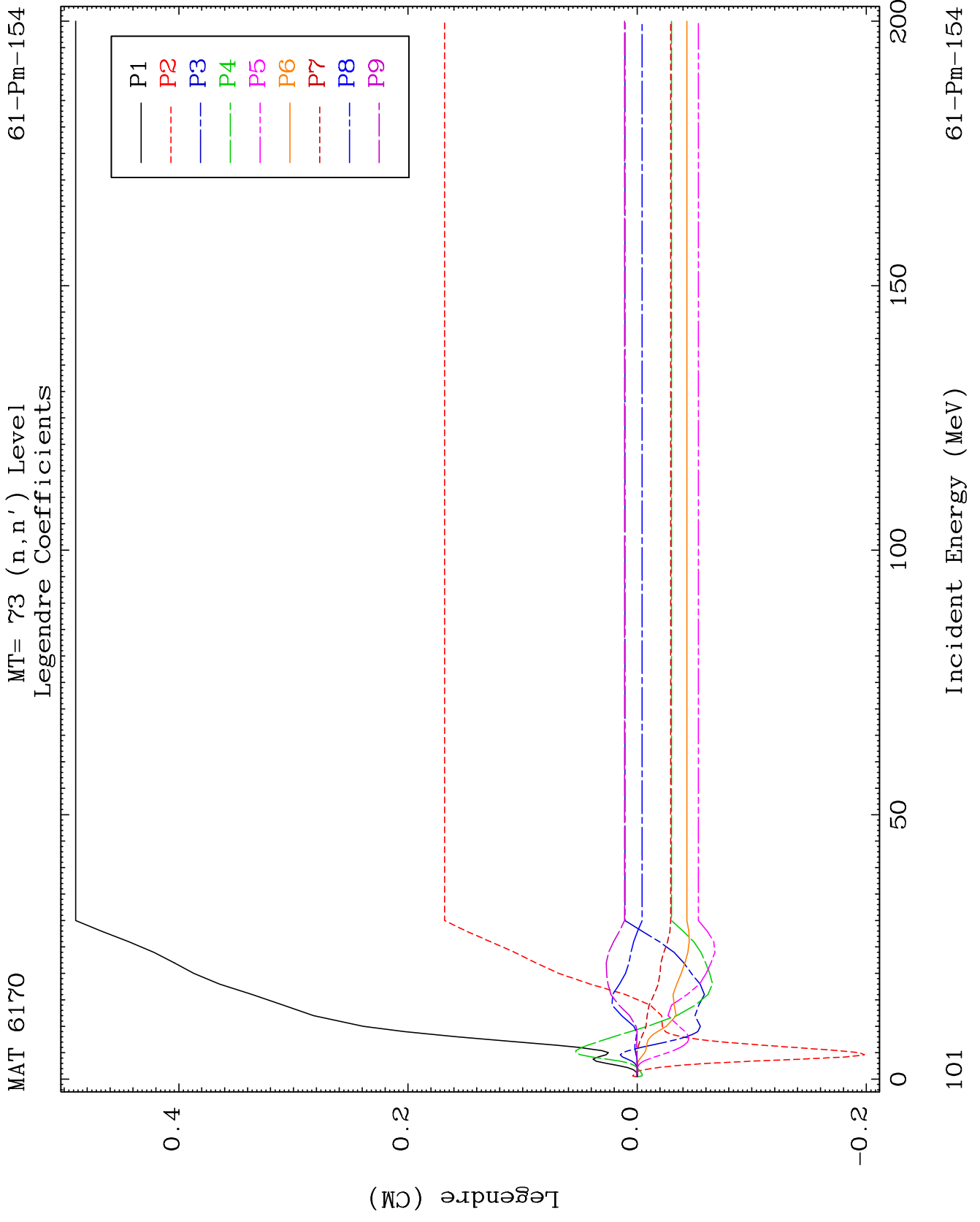
61-Pm-154



99

61-Pm-154

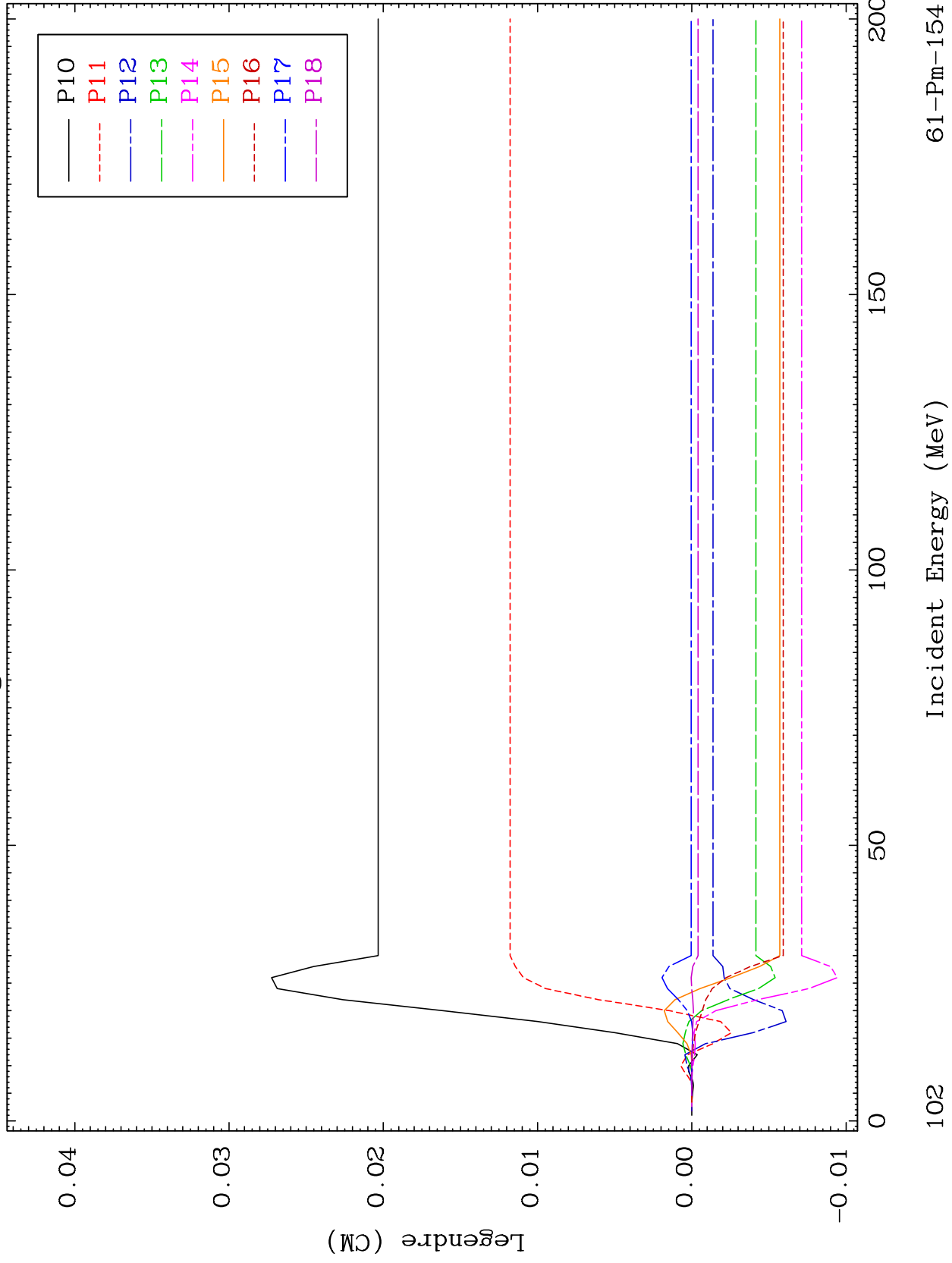




MAT 6170

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

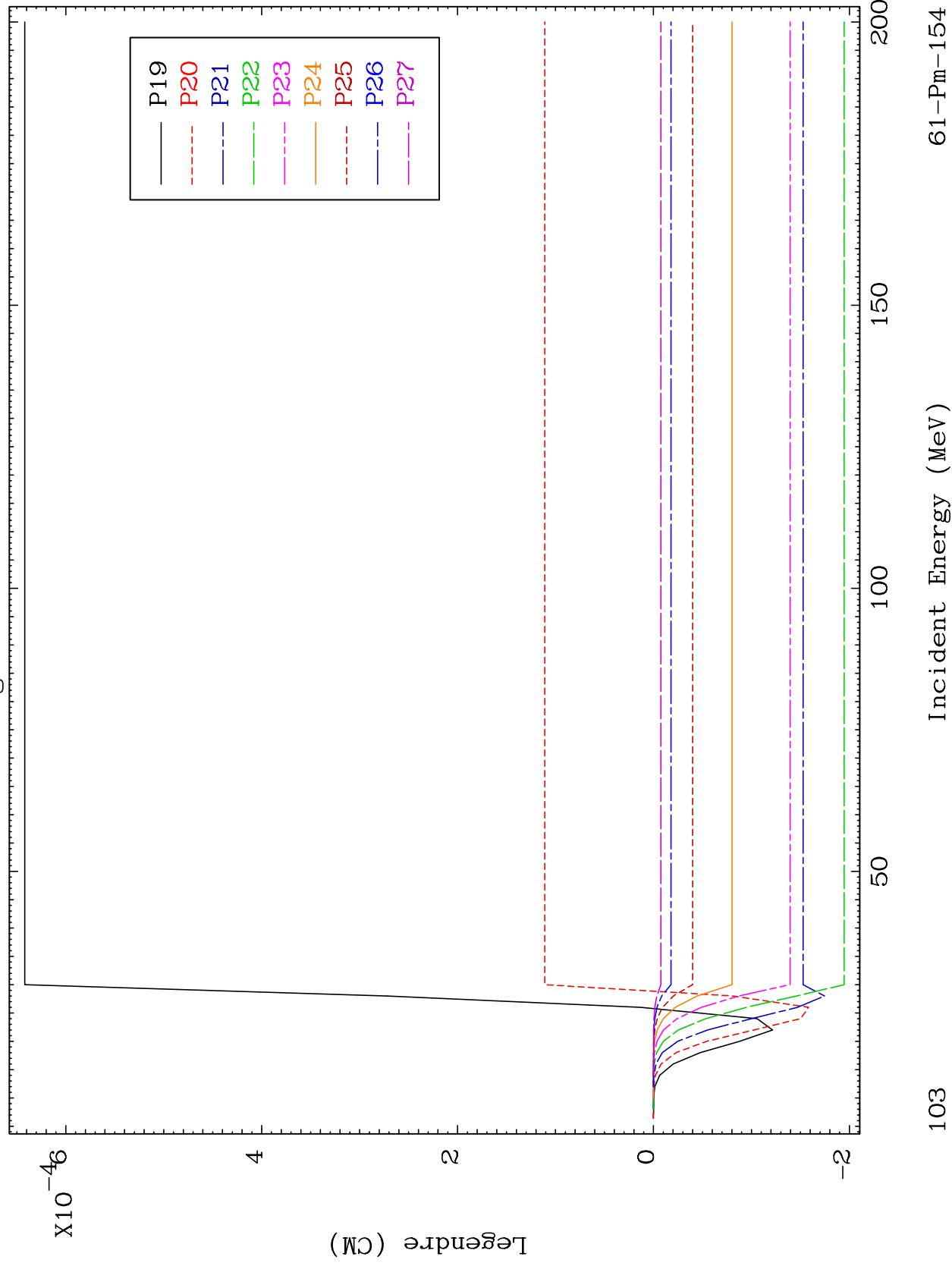
Incident Energy (MeV)

102

MAT 6170

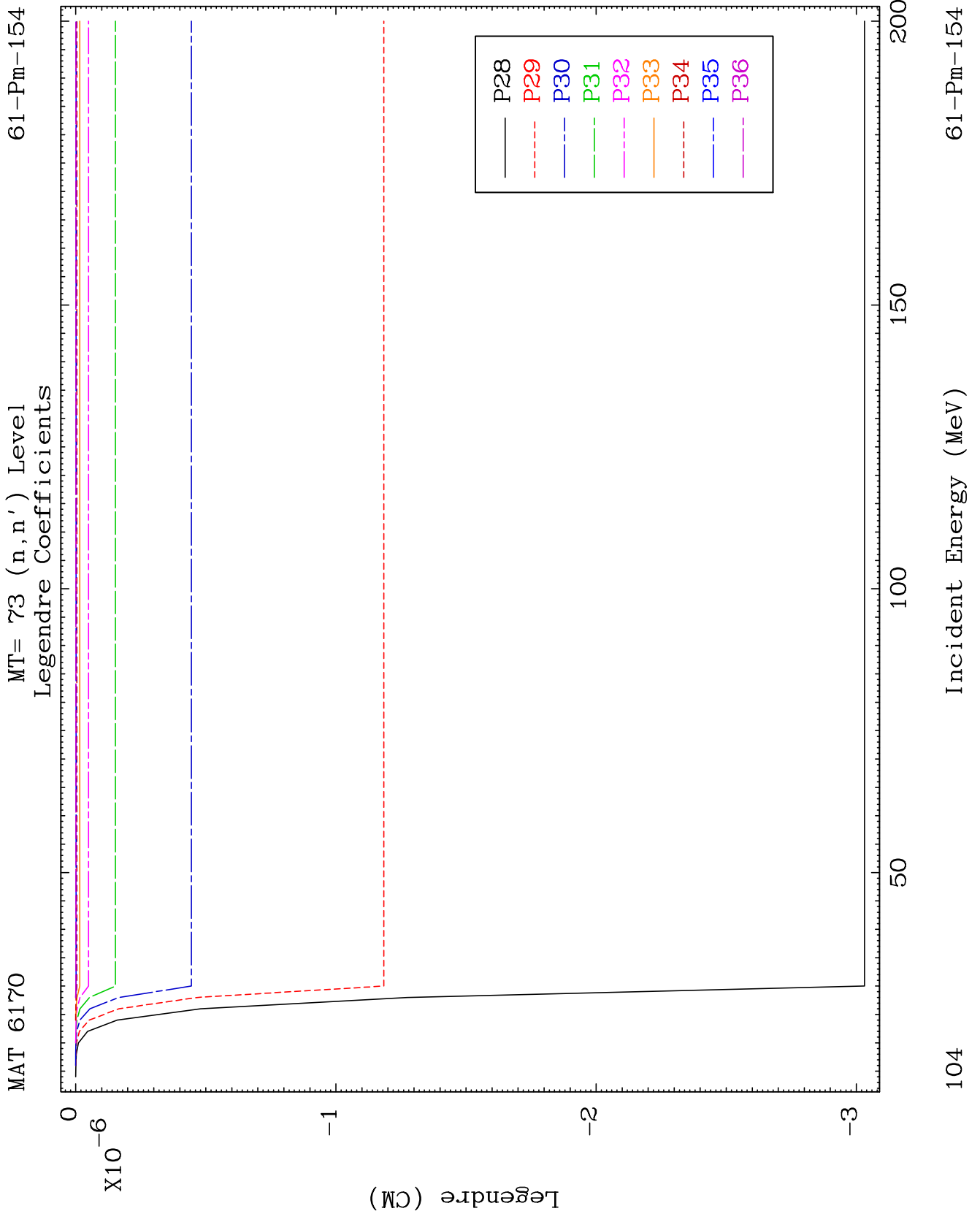
MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-154



103

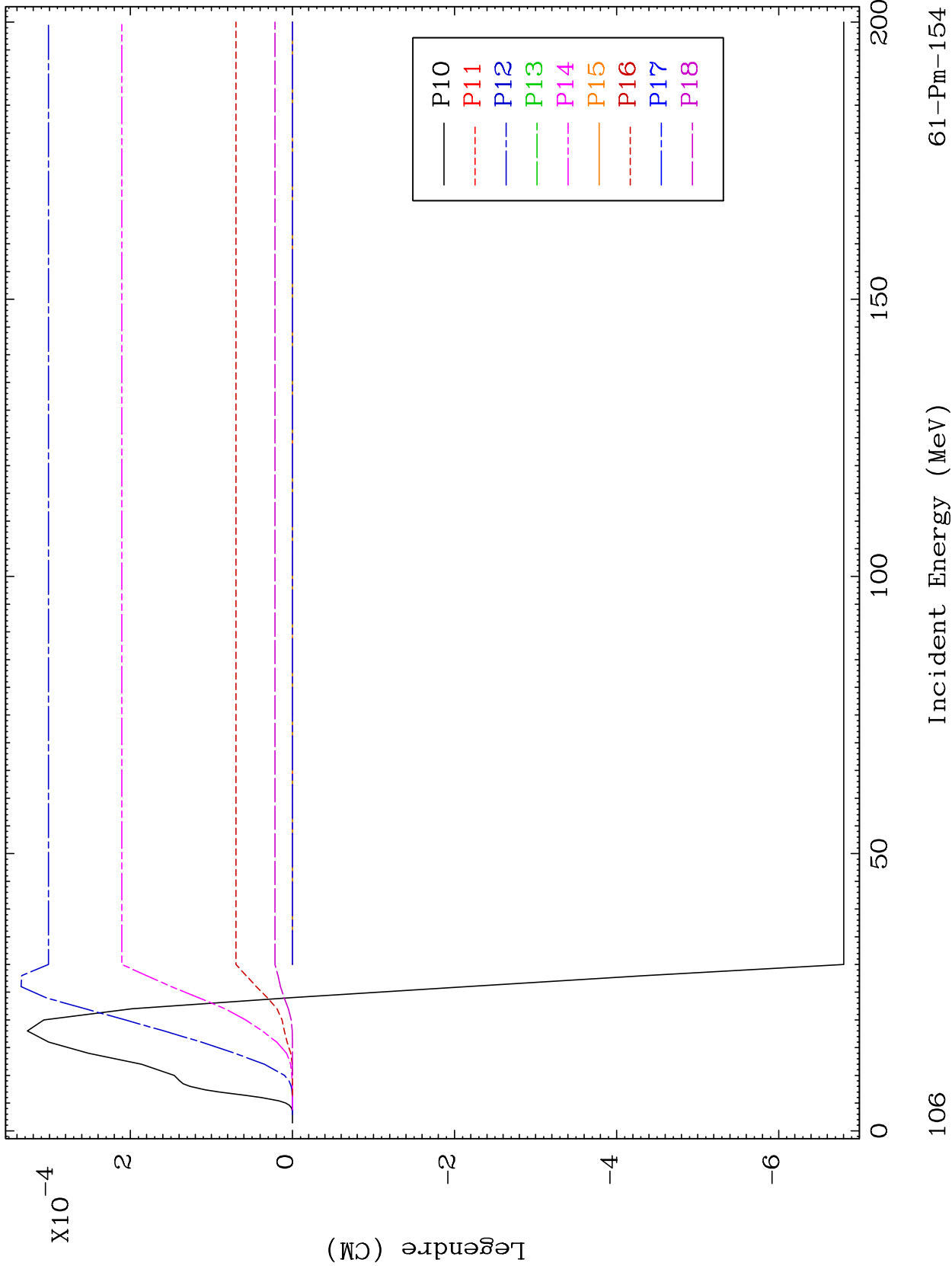
61-Pm-154



MAT 6170

MT= 74 (n,n') Level
Legendre Coefficients

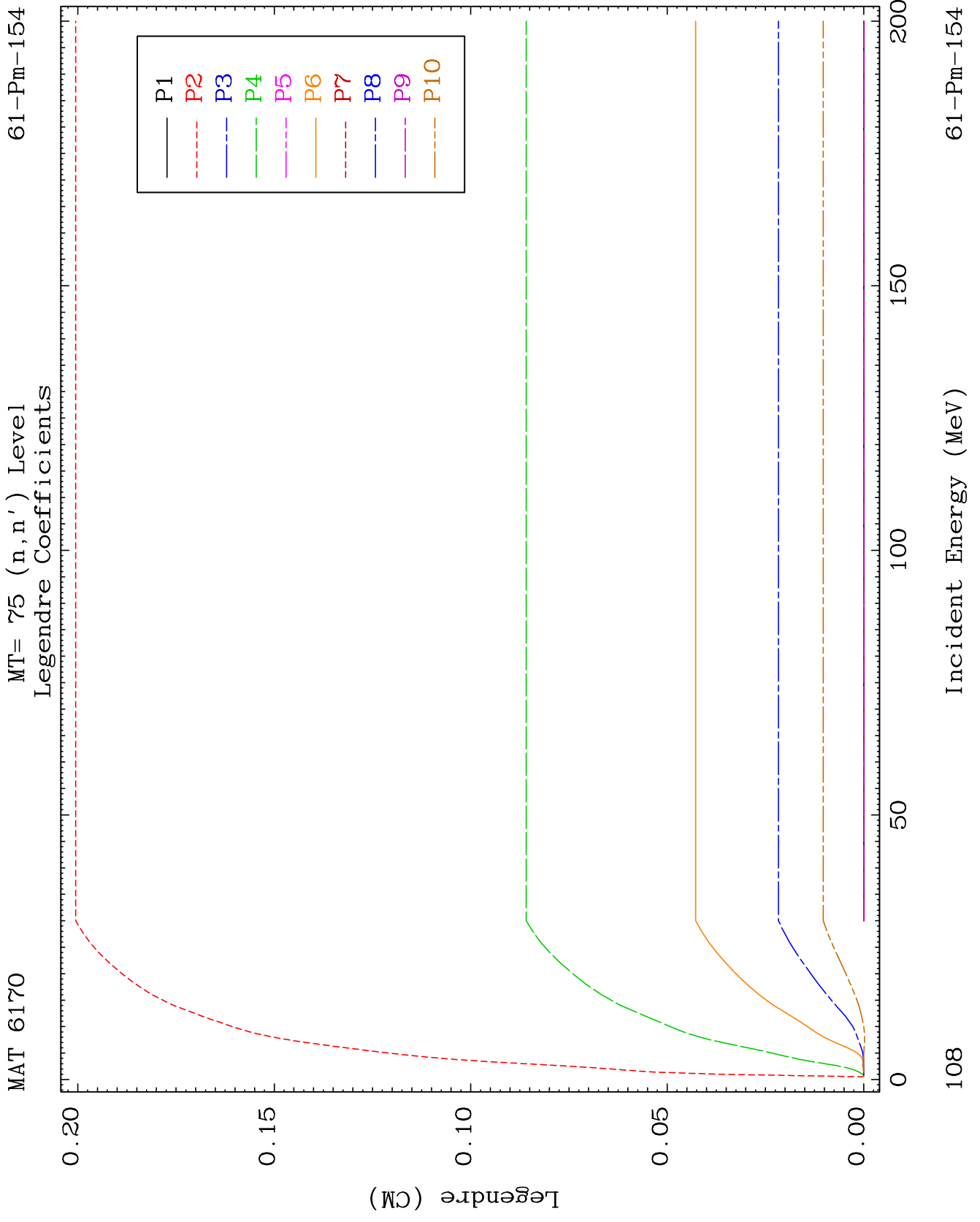
61-Pm-154

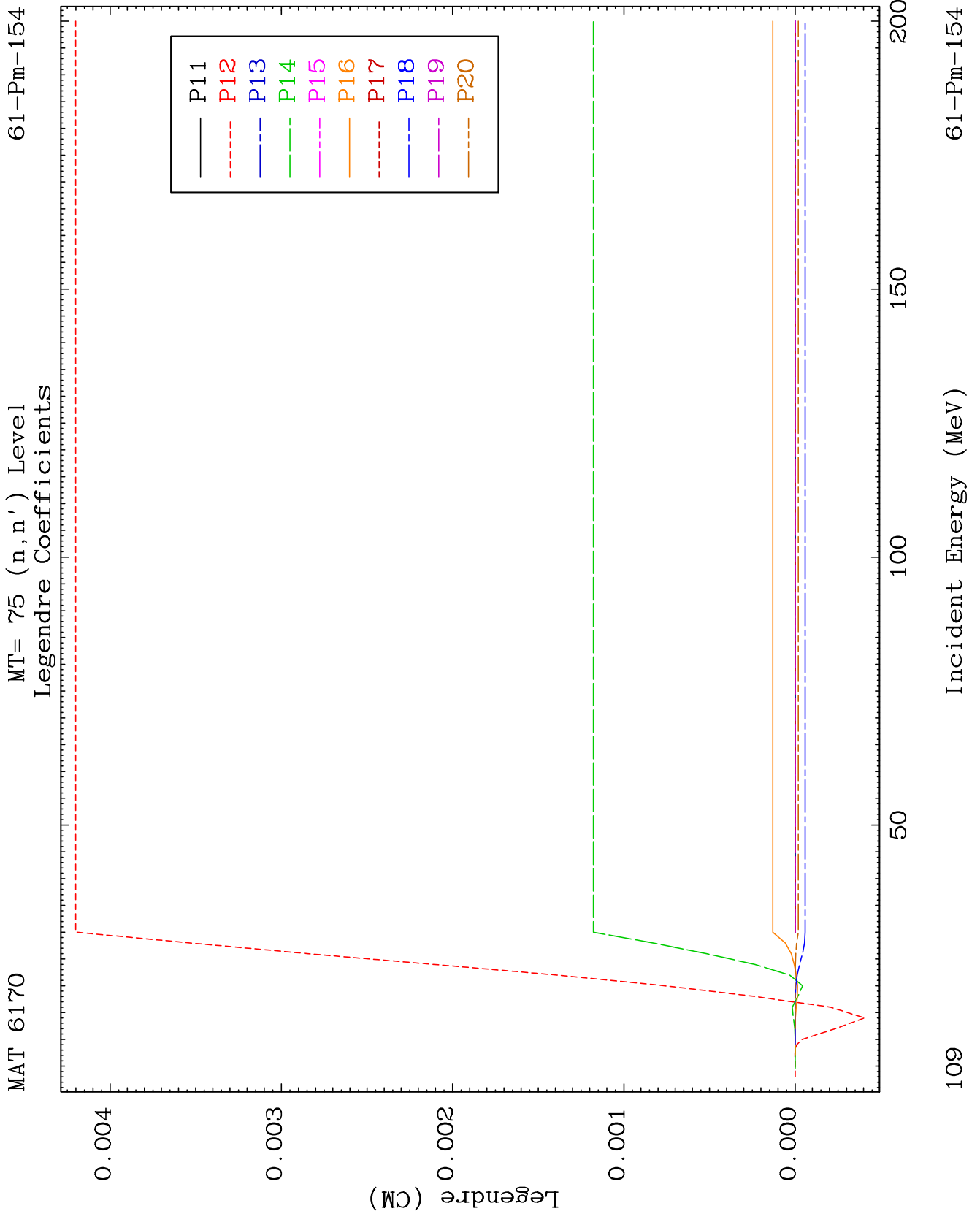


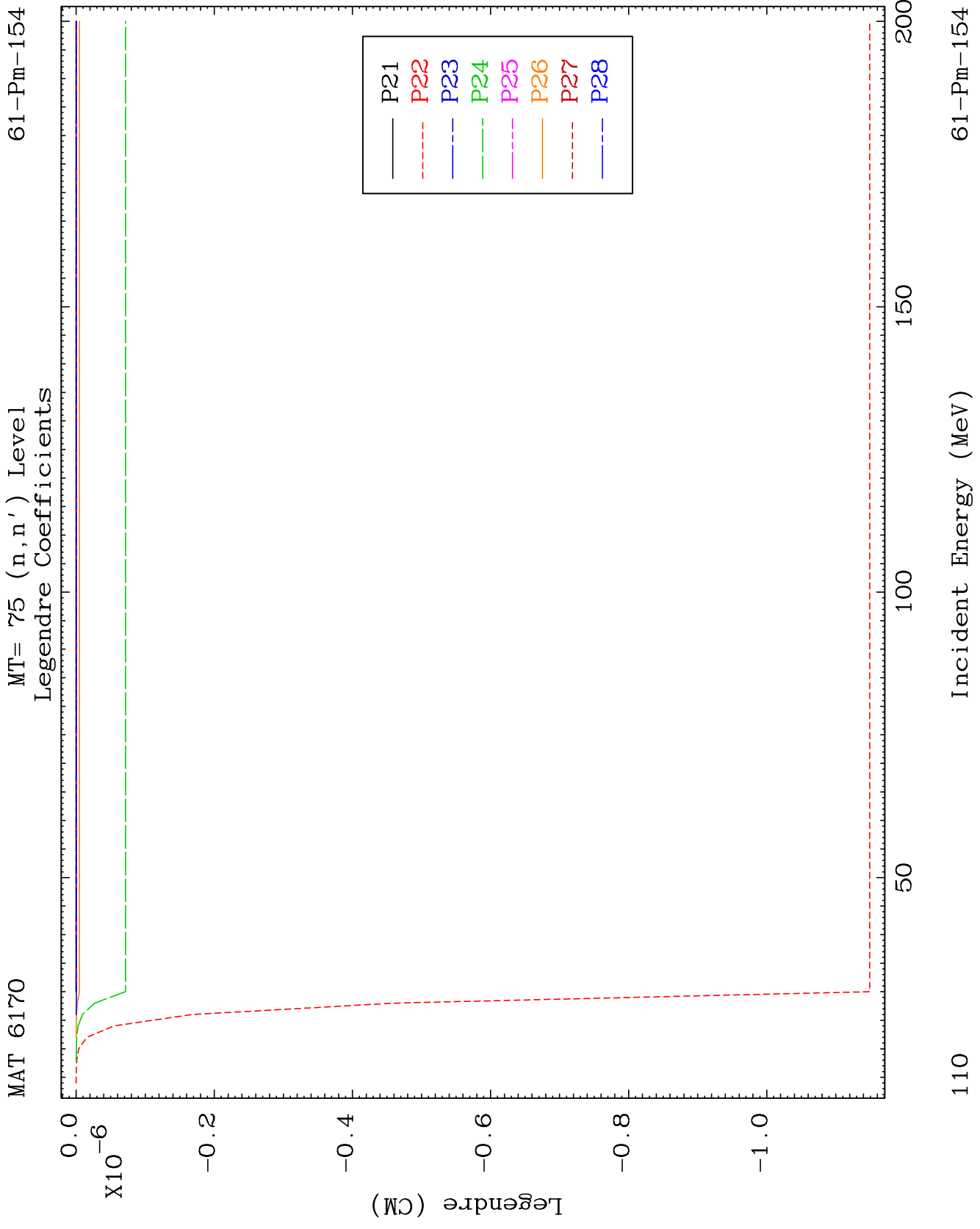
106

Incident Energy (MeV)

61-Pm-154



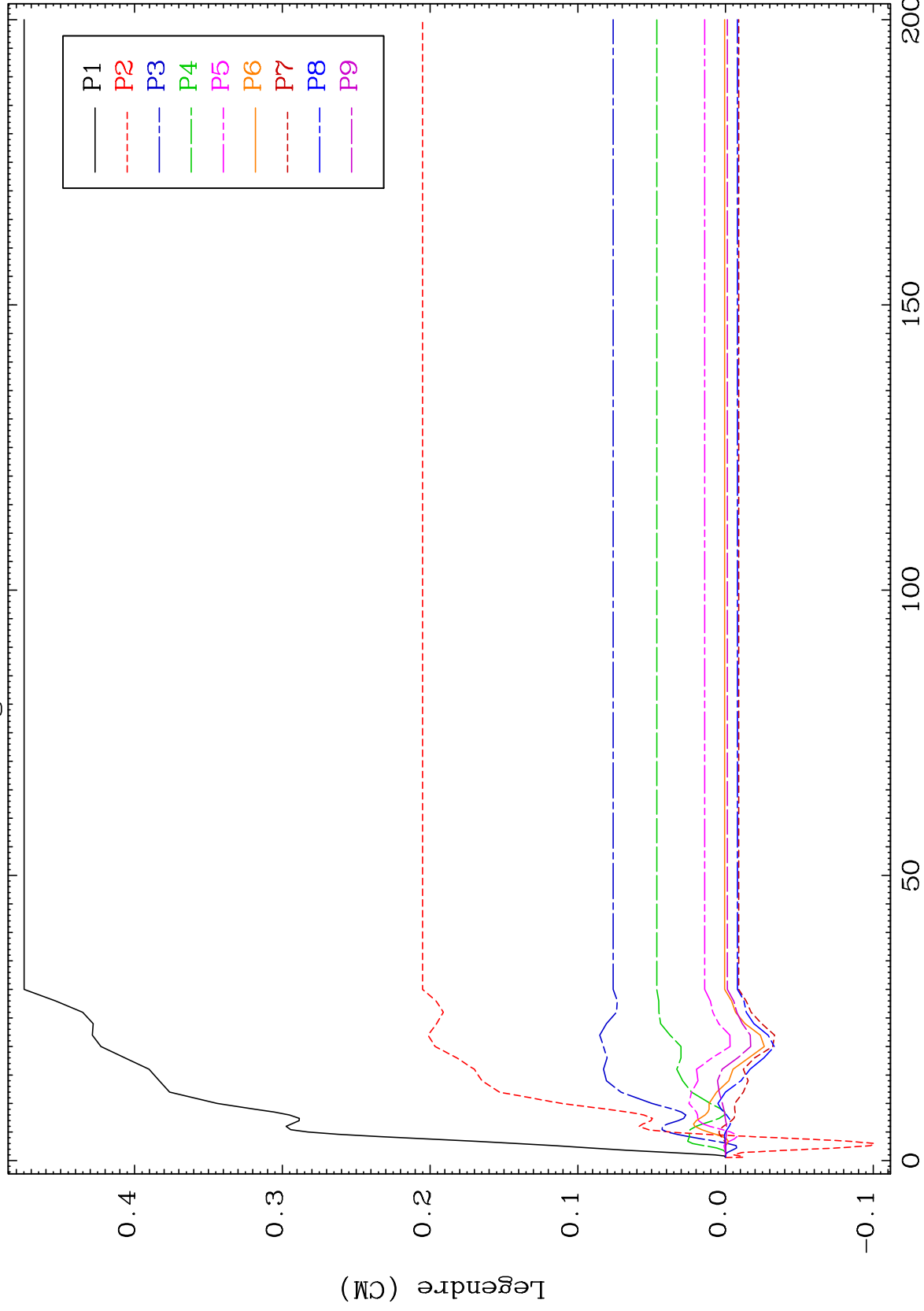




MAT 6170

MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

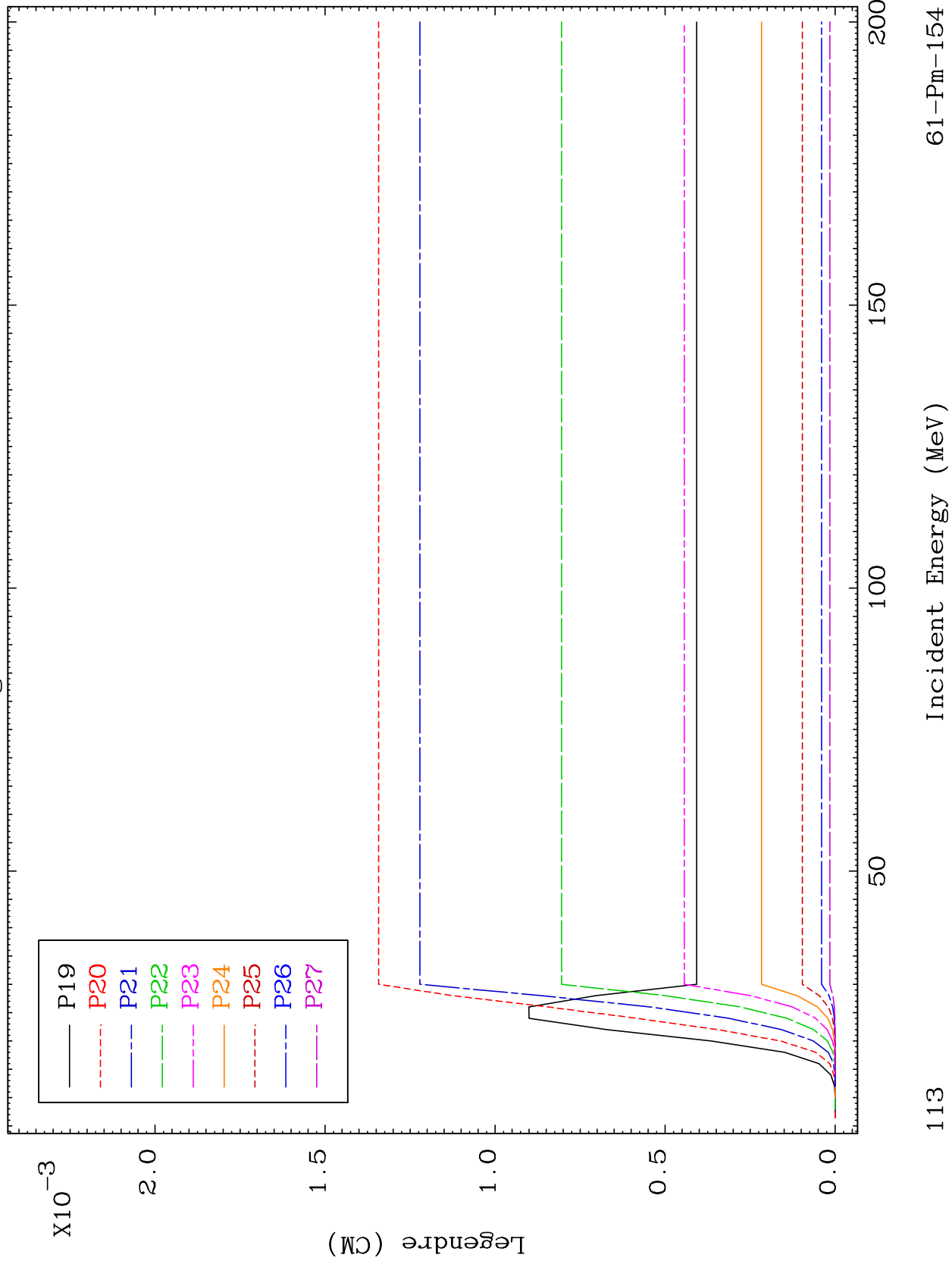
Incident Energy (MeV)

111

MAT 6170

MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-154

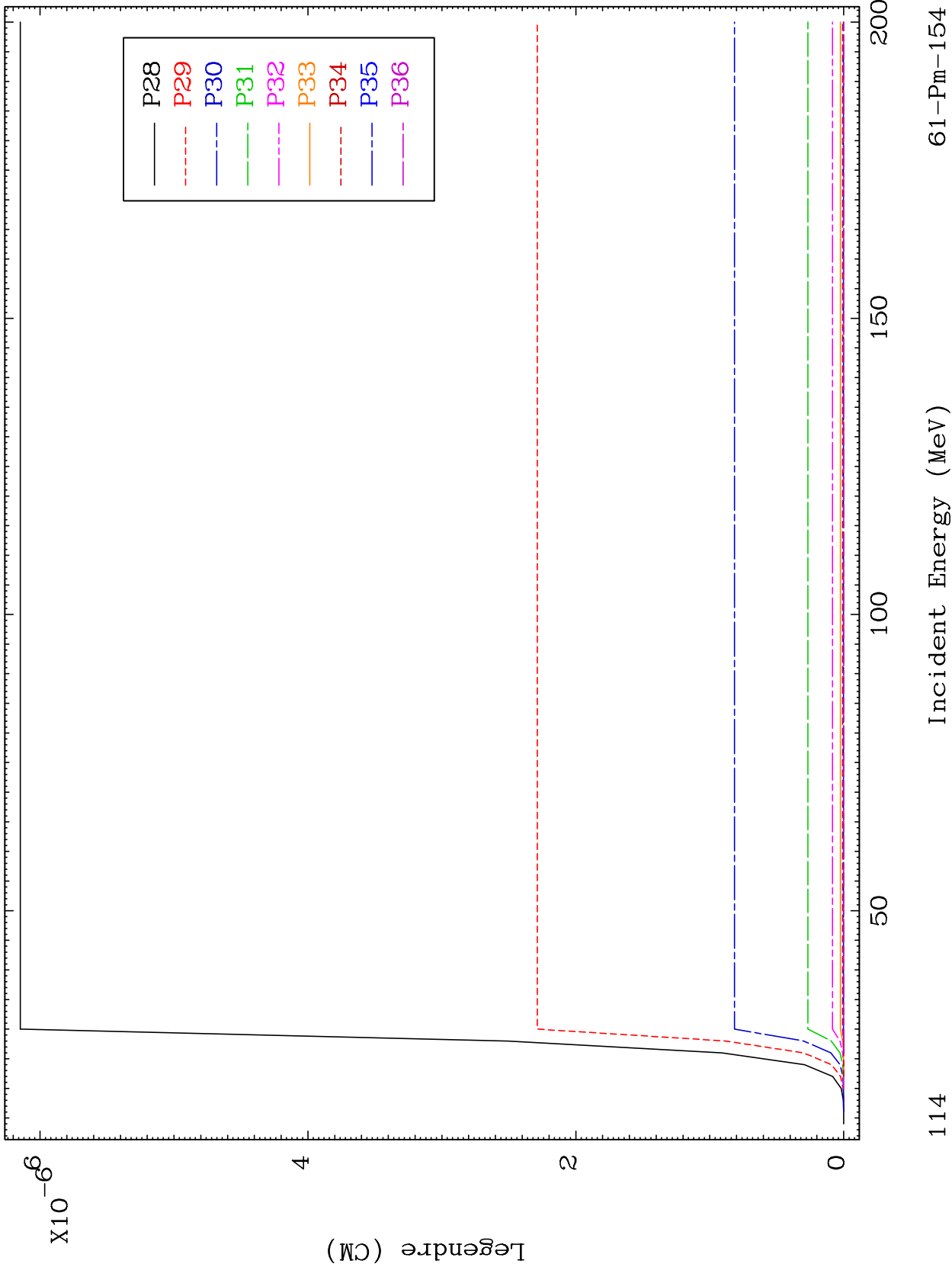


113

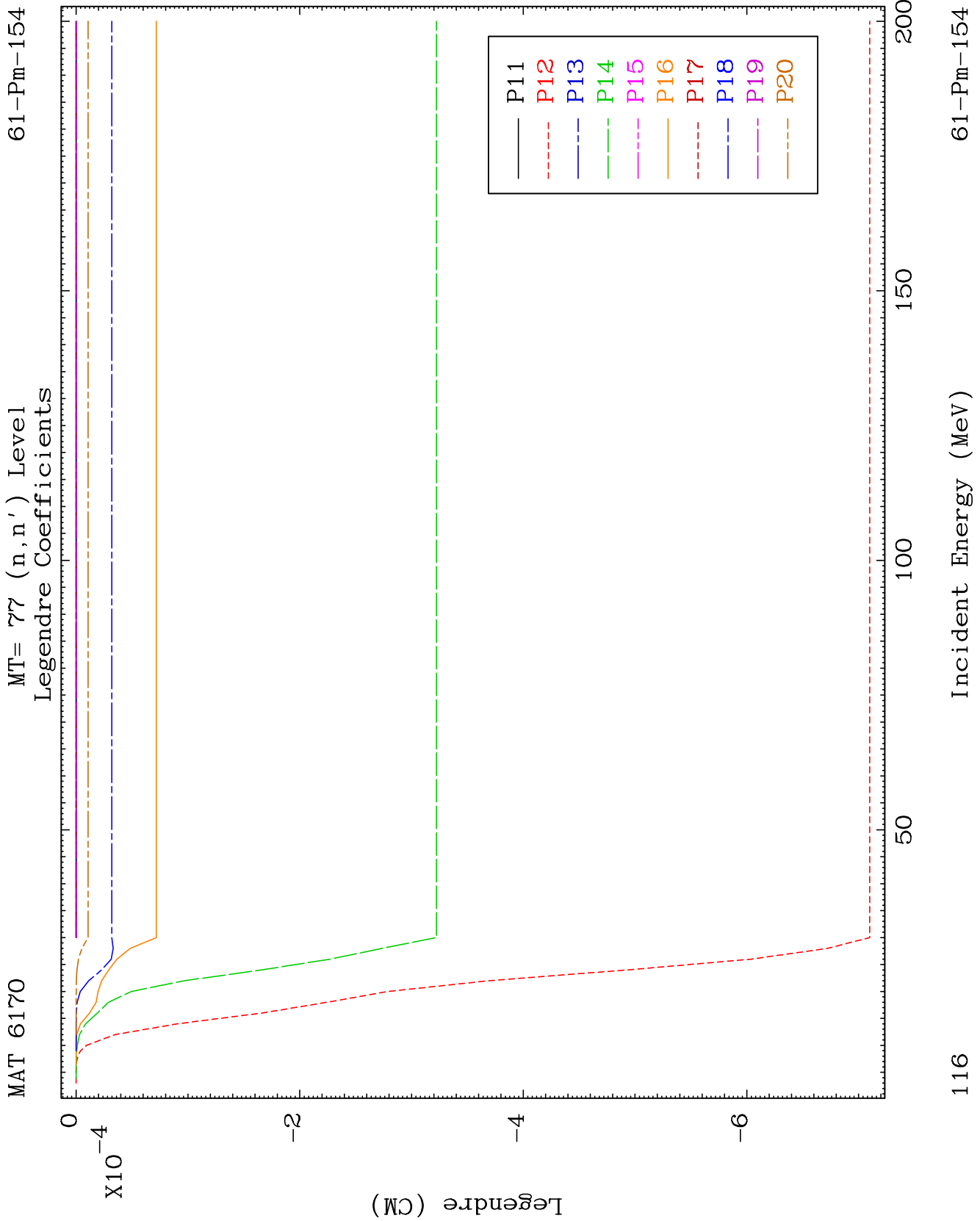
MAT 6170

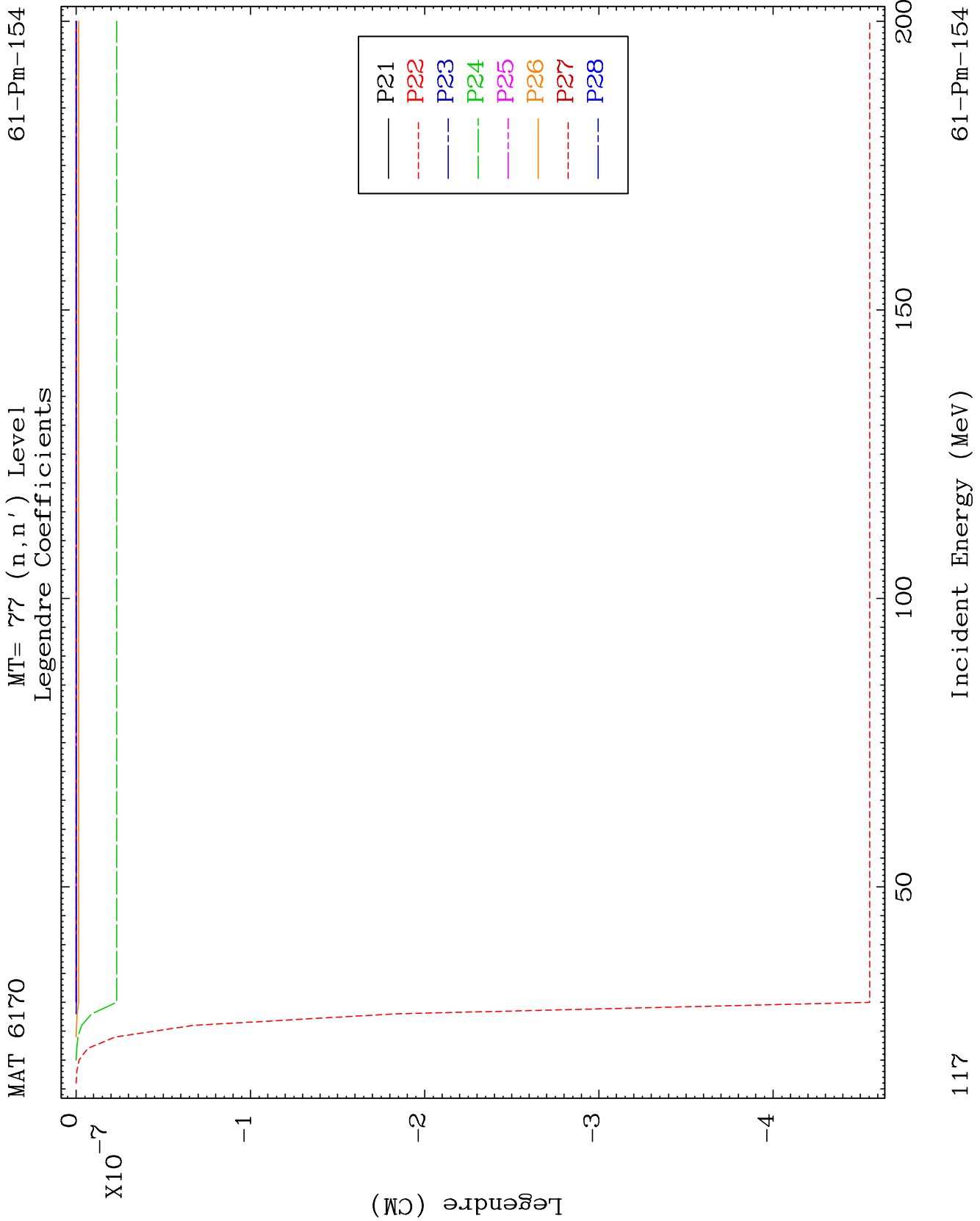
MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-154



114

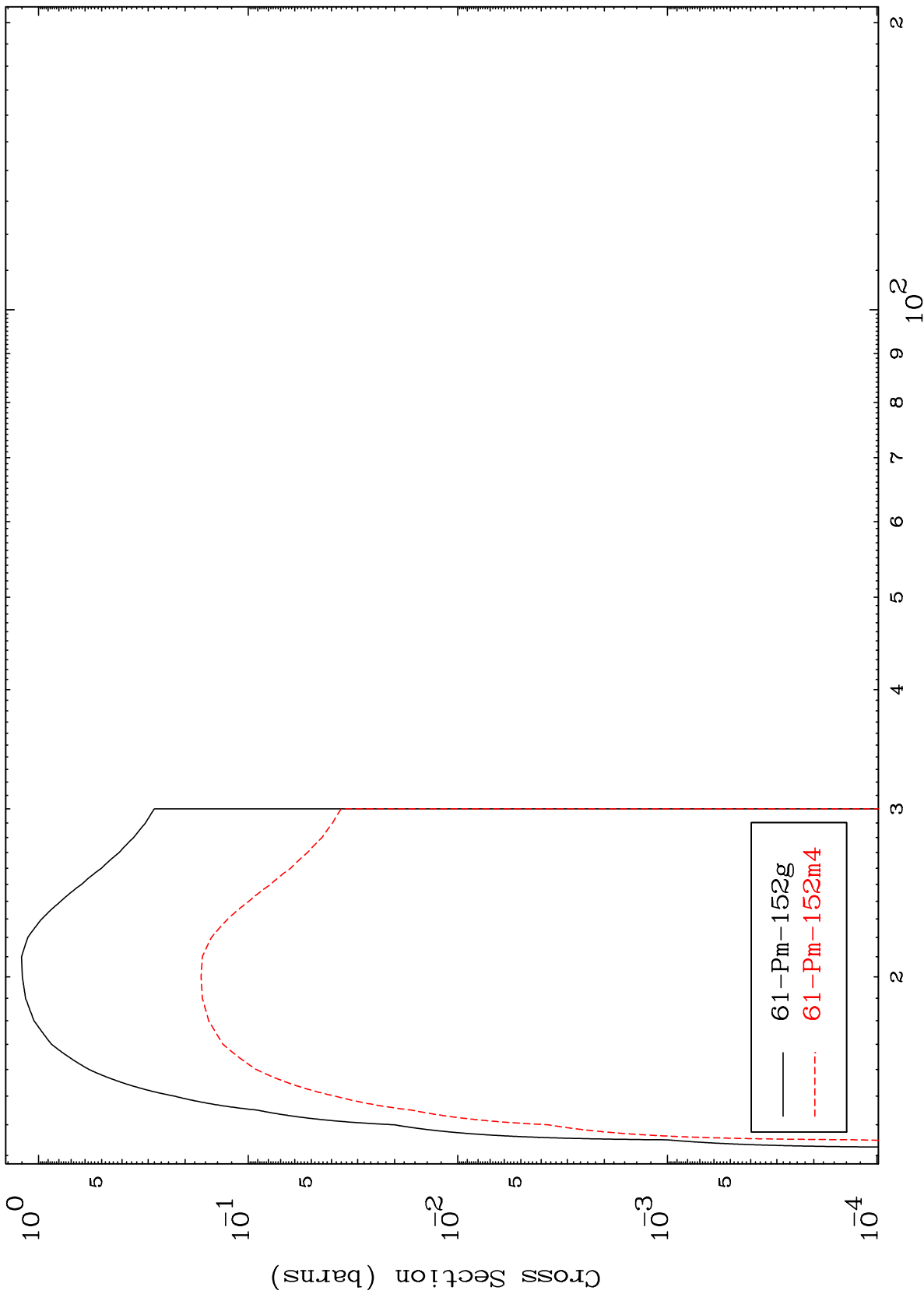




MAT 6170

61-Pm-154

(n,3n)
Radionuclide Production Cross Section



118

61-Pm-154

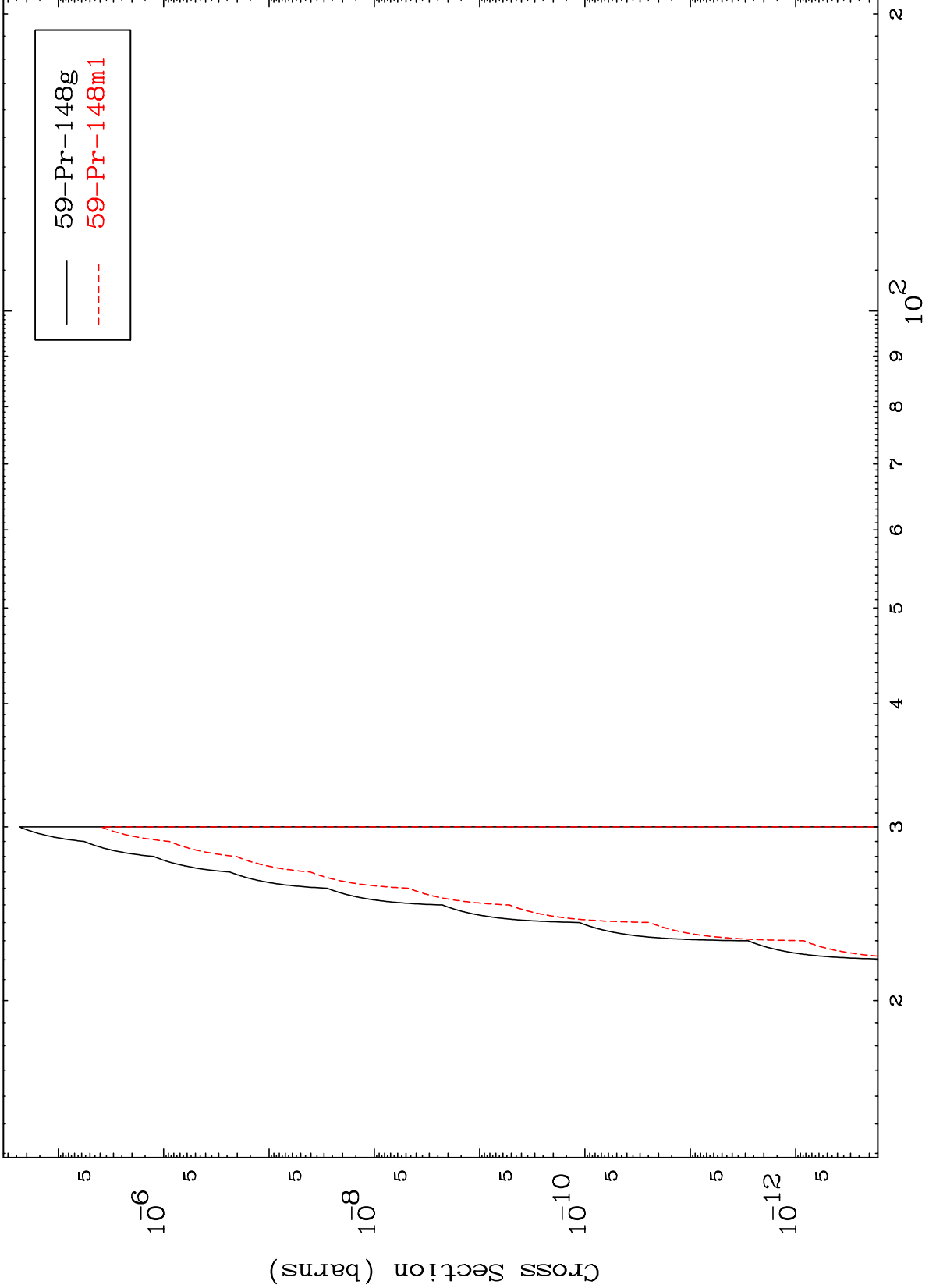
Incident Energy (MeV)

MAT 6170

(n,3n) α

61-Pm-154

Radionuclide Production Cross Section



119

Incident Energy (MeV)

61-Pm-154